10504-10524 FLATLANDS AVENUE

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 13CVCP092K

Prepared for:

128 Merrick Realty LLC
102-10 Metropolitan Avenue
Forest Hills NY 11357

Prepared by:

J. R. Holzmacher P.E., LLC
300 Wheeler Rd, Suite 402
Hauppauge NY 11788
631-234-2220

October 2012

REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

TABLE OF CONTENTS 7
LIST OF ACRONYMS 7
FIGURES 4
LIST OF ACRONYMS 7
CERTIFICATION 8
EXECUTIVE SUMMARY 9
REMEDIAL INVESTIGATION REPORT 14
1.0 SITE BACKGROUND 14
1.1 SITE LOCATION AND CURRENT USAGE 14
1.2 Proposed Redevelopment Plan 14
1.3 DESCRIPTION OF SURROUNDING PROPERTY 15
2.0 SITE HISTORY 16
2.1 PAST USES AND OWNERSHIP 16
2.2 PREVIOUS INVESTIGATIONS 17
2.3 Site inspection 17
2.4 Areas of Concern 17
3.0 PROJECT MANAGEMENT 19
3.1 PROJECT ORGANIZATION 19
3.2 HEALTH AND SAFETY 19
3.3 MATERIALS MANAGEMENT 19
4.0 REMEDIAL INVESTIGATION ACTIVITIES 20
4.1 GEOPHYSICAL INVESTIGATION 20
4.2 BORINGS AND MONITORING WELLS 21
4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS 22
5.0 ENVIRONMENTAL EVALUATION 26
5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS 26
5.2 SOIL CHEMISTRY 26
5.3 GROUNDWATER CHEMISTRY 27

5.4 SOIL VAPOR CHEMISTRY 27
5.5 PRIOR ACTIVITY 28
5.6 IMPEDIMENTS TO REMEDIAL ACTION 28

FIGURES

List of Figures

- Figure 1 -Site Location Map
- Figure 2- Site Plan
- Figure 3- Redevelopment Plan
    - Figure 3A- Redevelopment Plan- First Floor
    - Figure 3B- Redevelopment Plan- Second Floor Floor
- Figure 4- Surrounding Property Use
- Figure 5-Location of AOCs, Soil Borings, Wells, and Soil Vapor Samples with Groundwater Contours (June 5, 2012)
- Figure 5A – Test Pit Locations
- Figure 6- Groundwater Elevations -July 23, 2012

TABLES

List of Tables

- Tables 1 to 5 Soil Analytical Data Summary (showing exceedence of Track 2 SCOs)
    - Table 1 - Volatile Organic Chemicals
    - Table 2 - Semi Volatile Organic Chemicals
    - Table 3 - Pesticides
    - Table 4 - PCBs as AROCLORS
    - Table 5 - TAL Metals
- Tables 6 to 10 Groundwater Analytical Data Summary (showing exceedence of New York State Groundwater Standards)
    - Table 6 - Volatile Organic Chemicals
    - Table 7 - Semi Volatile Organic Chemicals
    - Table 8– Pesticides
    - Table 9 - PCBs as AROCLORS
    - Table 10 - TAL Metals
- Table 11 Soil Vapor Analytical Data Summary (showing exceedences of NYS DOH Soil Vapor Intrusion Guidance)
    - Table 11 – Vapor Sampling

APPENDICES

List of Appendices

- Appendix A - 2012-04 J.R. Holzmacher P.E., LLC Phase I Report
- Appendix B - 2012-07-03 J.C. Broderick GPR Report
- Appendix C – 2012-06-12 J.R. Holzmacher P.E., LLC HASP
- Appendix D - Soil Boring Geologic Logs
- Appendix E - Monitoring Well Sampling Logs
- Appendix F - Test Pit Investigation Photos
- Appendix G -Laboratory Data Deliverables

LIST OF ACRONYMS

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

CERTIFICATION

I, James M. DeMartinis P.G ., am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 10504-10524 Flatlands Avenue Site, (NYC BCP Site No. 13CVCP092K). 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.

James M. DeMartinis 10/02/2012

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 10504-10524 Flatlands Avenue in the Canarsie section of Brooklyn, New York and is identified as Block 8213 and Lot 0037 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 16,200-square feet and is bounded by Flatlands Avenue to the north, residential buildings to the south, East 106th Street to the east, and East 105th Street to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and contains an unoccupied 1,245 square foot former service station building.

Directly north of the subject property across Flatlands Avenue is 10609 Flatlands Avenue, 6 3-story multi-family walk up apartment buildings (239 Units); to the west across East 105th Street is 10424 Flatlands Avenue, a 1-story Commercial and Office Building with 6 units; contiguous to the south is 917 East 105 Street, One and Two Family Buildings. Also to the south is 920 East 106 Street, a 3 unit Multi-Family Walk-up Building. To the east is 901 East 106 Street 6 3-story Multi-family walk up apartment buildings (18 Units).

To the east on 107th Street within 0.7 miles from 10504 Flatlands Ave is Charisma Christian Academy and East Brooklyn Community High School.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 2-story commercial/retail building with 21,600 sf (10,800 sf per floor) and a partial cellar (meter room only) will be constructed. The first floor will consist of 11 retail stores of equal size and the second floor will consist of three office spaces of equal size. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R5D - general residence district, Overlay(s): C2-3 - Local Service District. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Using the historical Sanborn Map the history of the property is:

1907-The site is not developed and consists of ten lots-labeled 10502 through 10524 Flatlands Avenue. The lots extend from East 105th Street to East 106th Street. There is a storage and wagon shed across Flatlands Avenue to the northeast otherwise the area is undeveloped.

1928-The site is undeveloped. There are several dwellings to the north and south. There is a dwelling immediately to the south. The storage and wagon shed are gone.

1950 -The property is still undeveloped.

1967 through 1987 maps- The subject property is shown as occupied by a filling station. The concrete block building with metal frame appears to be identical to the current building footprint today. The area south of the site is almost completely developed with residential dwellings. Across Flatlands Avenue to the north are the Breukelen NYC Housing Apartments. There are stores west of the site across East 105th Street.

1989-2007 maps- The property is occupied by a filling station. The lots directly across East 106th Street (east) are now developed as multi-family residences.

There may have been several two family homes on the property in the 1950's and 1960's. However, a certificate of occupancy (CO) issued in 1970 was for an automotive service station, lubrication, minor repairs, washing, sale of accessories (in building) and office. The CO indicates the service station building was completed in June 1969.

EDR Directory Abstract-There are numerous listings for the property:

- Eagle Gas Station-2005 (Hill- Donnelly Corporation).
- Sam Apper Service Station Inc. -1973, 1976, 1985, 1992 and 2005 (Hill- Donnelly Corporation and NYNEX Information Resources).
- Also SAM SUNOCO SVCE STA in 1985 (NYNEX Information Resources).
- Also RZEZAK FRED in 1976 (New York Telephone).

Underground Storage Tanks

The Certificate of Occupancy (CO) on the DOB web site was issued in 1970 and indicates:

- Automotive service station, lubrication, minor repairs, washing, sale of accessories (in building) and office.
- Fire Department approval of gasoline tank installation on November 17, 1967.

The subject property appears on New York State Petroleum Bulk Storage database. Actually there are two entries. The first entry (NYSDEC PBS # 2-341320) was under 105-24 GAS CORP. The entry indicates that the PBS permit was administratively closed on 11/16/1997. 15 underground storage tanks (14 550s and one 4,000) are listed as "administratively closed".

The second entry (PBS # 2-601274) is shown as recently active and is under the name TIDAL REALTY CORPORATION. The site owner is shown as Sam Apper Service Station Inc. Sixteen underground storage tanks are listed, 12 of which (all 550s) are designated as closed-in place. The four active tanks are two 4,000 gallon gasoline tanks, one 550 gallon waste oil tank, and one 550 gallon # 2 fuel oil tank. The 4,000 gallon tanks were installed in 1976 and 1992. The two 550 gallon steel tanks were installed in 1957. It is not known if the fuel oil tank is still present. JRH observed natural gas service to the building.

The AOCs identified for this site include:

1. The underground gasoline and waste oil storage tanks. Those most recently active and those believed to be abandoned in place.
2. The area around the former dispenser islands and associated piping.
3. The abandoned hydraulic lifts in the building.
4. Historic fill

The Phase 1 ESA Report is presented in Appendix A. A map showing the areas of concern is presented in Figure 5.

Summary of the Work Performed under the Remedial Investigation

128 Merrick Realty LLC performed the following scope of work:

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

2. Conducted a Ground Penetrating Radar (GPR) survey to locate underground storage tanks and other subsurface features.
3. Drilled eight soil borings across the entire project Site, and collected sixteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed four groundwater monitoring wells throughout the Site to establish groundwater flow and collected four groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed four soil vapor probes around the site perimeter and collected four samples for chemical analysis.
6. Conducted a test pit investigation of suspected tank areas, GPR anomalies and the entire site in general.
7. The GPR and test investigation confirmed that there are no additional USTs present other than those recently used by the former service station (Figure 5A). The location of the 550-gallon waste oil UST will be determined during grading of the site. The UST is believed to be within the footprint of the former on-site building.

Summary of Environmental Findings

1. Elevation of the property is approximately 10 feet MSL.
2. Depth to groundwater is approximately 9 feet at the Site.
3. Groundwater flow is generally from northwest to southeast beneath the Site.
4. Depth to bedrock is approximately 500 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of up to nine feet of historic fill underlain by at least 5 feet of native sand, silt, and clay (tidal marsh deposits).
6. No VOCs or PCBs were detected above their Unrestricted (Track 1) Soil Cleanup Objectives (UUSCOs) in the sixteen soil samples. Low level petroleum-related VOCs were identified in two soil borings. Seven SVOCs- benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h) anthracene, chrysene and indeno(1,2,3-cd)pyrene- were detected above their respective UUSCOs in two shallow

soil sampling locations. No SVOCs exceeded Track 2 Restricted Commercial SCOs. Pesticides including 4,4,DDD (16 ppb), 4,4,DDE (11 ppb) and 4,4,DDT (8.4 ppb) were detected marginally above UUSCOs in shallow and deep samples but did not exceed Track 2 Restricted Commercial SCOs. Metals including copper (max of 71 ppm), lead (max. of 343 ppm), mercury (max of 1.37 ppm) and zinc (max. of 373 ppm) were detected above their respective UUSCOs. Only mercury exceeded Track 2 Restricted Residential SCOs in one 5-8 foot sample.

7. SVOCs, pesticides and PCBs were not detected in any groundwater samples in exceedance of New York State Groundwater Quality Standards (GQS). One VOC, benzene at 5.2 ug/l, exceeded GQS in one upgradient groundwater sample. Several dissolved metals including iron, manganese, and sodium exceeded GQS in most groundwater samples. Lead was not detected in dissolved samples.

8. All soil vapor samples collected during the RI indicated low to moderate concentrations of petroleum and chlorinated compounds. These compounds included acetone (ranged from 207 to 4964 ug/m^3), toluene (ranged from 47 to 179 ug/m^3), benzene (maximum of 19.9 ug/m^3) and xylenes (maximum of 204 ug/m^3). Tetrachloroethene (PCE) was detected in all samples ranging from 96 ug/m^3 to a maximum of 333 ug/m^3. TCE concentrations ranged from 0.97 to 2.53 ug/m^3. Chlorinated VOCs were not identified in site soils or groundwater. The low-level petroleum VOCs identified in site soils were identified as low-level soil concentrations, however the low-level petroleum VOCs were not identified in site ground water, with the exception of benzene. Benzene was identified at low levels in one soil sample and below the groundwater protection standard but was in exceedance of its GQS in one upgradient groundwater well.

9. The GPR and test investigation confirmed that there are no additional USTs present other than those recently used by the former service station (Figure 5A). The location of the 550-gallon waste oil UST will be determined during grading of the site. The UST is believed to be within the footprint of the former on-site building.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

128 Merrick Realty LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a .37-acre site located at 10504-10524 Flatlands Avenue in the Canarsie section of Brooklyn, New York. Commercial use is proposed for the property. The RI work was performed between June and August 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 10504-10524 Flatlands Avenue in the Canarsie section of Brooklyn, New York and is identified as Block 8213 and Lot 37 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 16,200-square feet and is bounded by Flatlands Avenue to the north, residential buildings to the south, East 106th Street to the east, and East 105th Street to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and contains an unoccupied 1,245 square foot former service station building.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a new 2-story building with 21,600 sf (10,800 sf per floor) of commercial/retail space and a partial cellar for use as a meter room. The first floor will consist of 11 retail stores of equal size and the second floor will consist of three office spaces of equal size. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R5D - general residence district, with a commercial overlay: C2-3 - Local Service District. The proposed use is consistent with existing zoning for the property.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

Directly north of the subject property across Flatlands Avenue is 10609 Flatlands Avenue, 6 3-story multi-family walk up apartment buildings (239 Units); to the west across East 105th Street is 10424 Flatlands Avenue, a 1-story Commercial and Office Building with 6 units; contiguous to the south is 917 East 105 Street, One and Two Family Buildings. Also to the south is 920 East 106 Street, a 3 unit Multi-Family Walk-up Building. To the east is 901 East 106 Street 6 3-story Multi-family walk up apartment buildings (18 Units).

To the east on 107th Street within 0.7 miles from 10504 Flatlands Ave is Charisma Christian Academy and East Brooklyn Community High School.

Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

Using the historical Sanborn Map report the property's history is:

1907-The site is not developed and consists of ten lots-labeled 10502 through 10524 Flatlands Avenue. The lots extend from East 105th Street to East 106th Street. There is a storage and wagon shed across Flatlands Avenue to the northeast otherwise the area is undeveloped.

1928-The site is undeveloped. There are several dwellings to the north and south. There is a dwelling immediately to the south. The storage and wagon shed is gone.

1950 -The property is still undeveloped.

1967 through 1987 maps-The subject property is shown as occupied by a filling station. The concrete block building with metal frame appears to be identical to the current building footprint today. The area south of the site is almost completely developed with residential dwellings. Across Flatlands Avenue to the north are the Breukelen NYC Housing Apartments. There are stores west of the site across East 105th Street.

1989-2007 maps- The property is occupied by a filling station. The lots directly across East 106th Street (east) are now developed as multi-family residences.

There may have been several two family homes on the property in the 1950's and 1960's. However, a certificate of occupancy (CO) issued in 1970 was for an automotive service station, lubrication, minor repairs, washing, sale of accessories (in building) and office. The CO indicates the service station building was completed in June 1969.

EDR Directory Abstract-There are numerous listings for the property:

- Eagle Gas Station-2005 (Hill- Donnelly Corporation).
- Sam Apper Service Station Inc. -1973, 1976, 1985, 1992 and 2005 (Hill- Donnelly Corporation and NYNEX Information Resources).
- Also SAM SUNOCO SVCE STA in 1985 (NYNEX Information Resources).
- Also RZEZAK FRED in 1976 (New York Telephone).

Underground Storage Tanks

The single Certificate of Occupancy (CO) on the DOB web site was issued in 1970 and indicates:

- Automotive service station, lubrication, minor repairs, washing, sale of accessories (in building) and office.
- Fire Department approval of gasoline tank installation on November 17, 1967.

The subject property appears on New York State Petroleum Bulk Storage database. Actually there are two entries. The first entry (NYSDEC PBS # 2-341320) was under 105-24 GAS CORP. The entry indicates that the PBS permit was administratively closed on 11/16/1997. 15 underground storage tanks (14 550s and one 4,000) are listed as "administratively closed".

The second entry (PBS # 2-601274) is shown as recently active and is under the name TIDAL REALTY CORPORATION. The site owner is shown as Sam Apper Service Station Inc. Sixteen underground storage tanks are listed, 12 of which (all 550s) are designated as closed-in place. The four active tanks are two 4,000 gallon gasoline tanks, one 550 gallon waste oil tank, and one 550 gallon # 2 fuel oil tank. The 4,000 gallon tanks were installed in 1976 and 1992. The two 550 gallon steel tanks were installed in 1957. It is not known if the fuel oil tank is still present. JRH observed natural gas service to the building.

2.2 PREVIOUS INVESTIGATIONS

A Phase I ESA was prepared by J.R. Holzmacher P.E., LLC in April 2012 (Appendix A). There are no known subsurface investigation reports for the site.

2.3 SITE INSPECTION

JRH was on-site three times to conduct activities associated with the RIR. There was no evidence of surficial contamination or activities that would cause such - consistent with the Phase I ESA.

2.4 AREAS OF CONCERN

The AOCs identified for this site include:

1. The underground gasoline and waste oil storage tanks. Those most recently active and those believed to be abandoned in place.

2. The area around the former dispenser islands and associated piping.

3. The abandoned hydraulic lifts in the building.

4. Historic fill.

Phase 1 Report is presented in Appendix A. A map showing areas of concern is presented as Figure 5.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is James M. DeMartinis with assistance from Heather Sonnenberg, Field Engineer and Patricia Zalak, Office Administrator.

3.2 HEALTH AND SAFETY

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

3.3 MATERIALS MANAGEMENT

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

128 Merrick Realty LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a Ground penetrating Radar (GPR) survey to locate underground storage tanks and other subsurface features.
3. Installed eight soil borings across the entire project Site, and collected sixteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed four groundwater monitoring wells throughout the Site to establish groundwater flow and collected four groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.
6. Excavated 10 test pits in suspected tank area(s), and GPR anomalies and the entire site in general.

4.1 GEOPHYSICAL INVESTIGATION

Ground penetrating radar or GPR is a remote sensing technique that consists of a portable antenna and control unit. The antenna was pulled along the ground surface over the property and radar is transmitted into and reflected out of the ground based upon the conductivity of the subsurface materials encountered.

JRH and its subcontractor J.C. Broderick of Hauppauge, New York, used a Sensors & Software Noggin SmartCart 250 GPR. A 250 megahertz antenna penetrates to depths ranging from one to ten feet - the range most underground storage tanks and utilities are found within. GPR can verify the presence of suspected buried structures and delineate the boundaries of known underground storage tanks and buried drainage structures (leaching pools, cesspools, or dry wells). Previously excavated and backfilled areas such as former tank pits, landfills or other waste disposal locations can also be readily identified.

Once the GPR survey was completed, the results were spray painted on the ground surface in accordance with the American Public Works Association (APWA) color code. Anomalies indicative of subsurface structures were identified during the inspection. These anomalies were investigated through the test pit investigation.

The GPR survey is presented in Appendix B.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

Eight soil borings were drilled both within the footprint of the former service station with the purpose of collecting soil samples for analysis. The soil boring locations are shown on Figure 5.

- B-4 and B-5 was drilled through the existing concrete slab within the footprint of the former service station building;
- B-2 and B-3 were drilled in the area of the former dispenser islands;
- B-1 and B-6 were drilled near the area of recently used underground storage tanks; and
- B-7 and B-8 was drilled in an area of the site where underground storage tanks may have been abandoned in place.

All borings were drilled using a track-mounted Geoprobe™ operated by Zebra Environmental Corp. of Lynbrook, New York. Geoprobe™ services were conducted in accordance with the operation and sampling procedures outlined in the United States Environmental Protection Agency (EPA) Standard Operating Procedure SOP No. 2050. Non-disposable sampling equipment was cleaned using distilled water and Alconox detergent with a distilled water rinse prior to the collection of each sample.

Boring logs prepared by the project engineer are attached in Appendix D. These logs include PID readings and GPS coordinates. A map showing the location of soil borings and monitor wells is shown in Figure 5.

Groundwater Monitoring Well Construction

Under JRH oversight, four monitoring wells were installed in borings drilled at the locations shown on Figure 5. Monitoring well MW-1 was sited near the recently used USTs. Wells MW-2 and MW-3 were installed downgradient with respect to groundwater flow of the former dispenser islands and USTs assumed to be abandoned in place. MW-4 was sited as an upgradient well to the entire site.

The wells consist of 10-feet of two-inch diameter .020 slot pre-pack well screen and the appropriate length of 2-inch riser. The screen in each well was installed to bridge the water table at the time of drilling-ideally three feet above and seven feet below.

A hydrated bentonite seal was placed directly above the sand pack and the remainder of the annular space grouted with a cement/bentonite/soil cuttings mixture. The wells were finished at land surface with a six-inch flush mounts set in concrete.

Water Level Measurement

A designated measuring point was established on the top of each monitoring well casing was surveyed vertically by JRH to a common datum. Water levels in all monitoring wells were measured on July 23, 2012 and a groundwater flow elevation contour map was prepared for that measurement period (Figure 6).

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

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

Soil Sampling

Soil samples were collected using a five-foot long Macrocore™ sampler with dedicated acetate liners advanced by the Geoprobe™. The Macrocore™ samples were visually characterized by a JRH engineer and field screened for the presence of volatile organic compound (VOCs) using a Mini Rae 2000 portable photoionization detector (PID). Based on these descriptions geologic soil-boring logs were prepared and are included in Appendix D.

At boring locations B-1 and B-6 soil samples were collected continuously from land surface to 15 feet below grade (six feet below groundwater). At the other boring locations soil samples were collected continuously from land surface to 10 feet below grade.

One sample was collected within the first two feet of soil borings B-1 through B-8. One sample was also collected right above groundwater (5 to 8 feet below grade).

Soil samples were hand delivered to American Analytical Laboratories, Farmingdale, New York (NYSDOH ELAP #11418) for analysis. Soil samples were analyzed for TCL VOCs (EPA Method 8260C, rev. 2006), TCL SVOCs (EPA Method 8270D, rev. 2007), Pesticides (EPA Method 8081B, rev. 2000), PCBs (EPA Method 8082A, rev. 2000), and TAL Metals (EPA Method 6010C, rev. 2007).

16 soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1-5. Figure 5 shows the location of samples collected in this investigation.

Groundwater Sampling

The monitoring wells were purged and sampled by an experienced sampling crew on July 23, 2012. JRH collected groundwater samples from the monitoring wells using low-flow sampling methods. Prior to sampling, all wells were gauged for floating product. Each well was purged a minimum of three casing volumes using a submersible centrifugal pump (Grundfos RediFlo2) with per-well dedicated polyethylene tubing set in the middle of the well screen. This is performed to ensure representative samples from the formation surrounding the wells and to eliminate standing water in the wells. Between sampling locations the pump was cleaned internally and externally with an Alconox and water solution, followed by a fresh water rinse.

Temperature, pH, dissolved oxygen, turbidity and specific conductivity measurements were collected and recorded after the removal of each casing volume. These data on presented on well sampling logs which are provided in Appendix E.

Groundwater samples were analyzed by American Analytical Laboratories, Farmingdale, New York (NYSDOH ELAP #11418) for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Methods 8081/8082 and the TAL metals. Groundwater samples were analyzed as filtered/unfiltered samples for TAL metals.

Quality control (QA/QC) samples include one field blank, one trip blank, and one lab blank, QA/QC for chemical analytical program and assessment of the usability of the data will be provided by Lori Beyer, Laboratory Director of American Analytical.

Four groundwater samples were collected for chemical analysis during this RI. Sampling logs with information on purging and sampling of groundwater monitoring wells is included in Appendix E. Figure 5 shows the location of groundwater sampling.

Soil Vapor Sampling

The Geoprobe™ was used to drill four additional borings to install temporary sub-slab vapor sampling points (Figure 5). The Geoprobe™ advanced a Macrocore™ to; eight feet at VP-4 (at the downgradient edge of the property near apartment buildings); six feet at VP-1 (in the former service staion building); and two feet at both VP-2 (near former dispenser island) and VP-3 (near recently used and previously abandoned USTs).

The temporary vapor points were installed using 1.5 –inch diameter rods and consist of six-inch diameter stainless steel implants attached to an expendable drive point. No water was used during the installation of the temporary probes. Teflon™ lined polyethylene tubing extended from the temporary implant to the surface. Number 2 sand was used in the boring to create a sampling zone one to two feet in length and a bentonite seal emplaced in the borehole above the sampling zone.

Vapor sampling was conducted following the installation of the vapor probes. Three implant volumes were purged prior to collecting the samples at a purge rate of 0.2 liters per minute. The vapor samples were collected using 6-liter capacity Summa™ canisters each fitted with a laboratory calibrated critical orifice flow regulation device sized to allow the collection of the

soil gas samples so as not to exceed 0.2 liters per minute (to minimize outdoor air infiltration during sampling).

The vapor samples were collected over a four hour period and analyzed using the USEPA's TO-15 gas chromatograph/mass spectrometer (GC/MS) methodology. The samples were sent via overnight courier to Chemtech of Mountainside, New Jersey (NYSDOH ELAP # 11376).

Four soil vapor probes were installed and four soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 11. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1 through 11, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix G.

Supplemental Test Pit Investigation

Because there was some contradictory information as to whether tanks were truly abandoned in place and because of anomalies identified by the GPR Survey, a test pit investigation was conducted by JRH. Ten test pits were excavated on August 14, 2012 under JRH oversight (Figure 5A). The test pits were between 17 and 27 feet in length and were 5 to 6 feet deep. Soils temporarily removed were historic fill. Soils were photographed and screened with the PID. No PID readings above 1.0 ppm were measured. Photographs with detailed descriptions are provided as Appendix F.

No tanks were encountered. The anomalies identified in the GPR were masses of concrete, red bricks and rotting wood

Because no significant PID readings were measured and there was no visual/olfactory evidence of contamination, no samples were collected for laboratory analysis. However, endpoint samples will be collected when the recently used tanks are removed.

In summary, there are no tanks present other than the three tanks most recently used by the service station.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

The site is underlain in places by up to nine feet of fill consisting of sand with gravel fragments, brick and concrete. Below the fill are native geologic deposits indicative of a beach and tidal flat environment. The deepest borings were drilled to 15 feet below grade.

Hydrogeology

Groundwater occurs at approximately nine feet below grade and is under water-table conditions. Regional groundwater contour maps (USGS 2001) indicate the regional groundwater flow direction in the water-table aquifer is to the southeast.

A map of groundwater level elevations for July 23, 2012 is shown in Figure 6. Groundwater flow is confirmed from northwest to southeast.

5.2 SOIL CHEMISTRY

Tables 1-5 summarize the analytical data for the sixteen soil samples collected. The laboratory report is included in Appendix G. Briefly,

- No VOCs or PCBs were detected above their Unrestricted Use (Track 1) Soil Cleanup Objectives (UUSCOs) in the sixteen soil samples.
- Petroleum odors and slightly elevated PID readings were observed in borings B-1, B-2, and B-3. Low level petroleum-related VOCs were identified in B-1, B-2, and B-3
- No VOCs or PCBs were detected above their Unrestricted (Track 1) Soil Cleanup Objectives (UUSCOs) in the sixteen soil samples. Low level petroleum-related VOCs were identified in two soil borings. Seven SVOCs- benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h) anthracene, chrysene and indeno(1,2,3-cd)pyrene- were detected above their respective UUSCOs in two shallow soil sampling locations. No SVOCs exceeded Track 2 Restricted Commercial SCOs. Pesticides including 4,4,DDD (16 ppb), 4,4,DDE (11 ppb) and 4,4,DDT (8.4 ppb) were detected marginally above UUSCOs in shallow and deep samples but did not exceed

Track 2 Restricted Commercial SCOs. Metals including copper (max of 71 ppm), lead (max. of 343 ppm), mercury (max of 1.37 ppm) and zinc (max. of 373 ppm) were detected above their respective UUSCOs. Only mercury exceeded Track 2 Restricted Residential SCOs in one 5-8 foot sample.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1-5.

5.3 GROUNDWATER CHEMISTRY

- Tables 6 through 10 summarize the analytical data for the four groundwater samples collected. The
- SVOCs, pesticides and PCBs were not detected in any groundwater samples in exceedance of New York State Groundwater Quality Standards (GQS). One VOC, benzene at 5.2 ug/l, exceeded GQS in one upgradient groundwater sample. Several dissolved metals including iron, manganese, and sodium exceeded GQS in most groundwater samples. Lead was not detected in dissolved samples.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 6-10. Exceedence of applicable groundwater standards are shown.

5.4 SOIL VAPOR CHEMISTRY

- All soil vapor samples collected during the RI indicated low to moderate concentrations of petroleum and chlorinated compounds. These compounds included acetone (ranged from 207 to 4964 ug/m^3), toluene (ranged from 47 to 179 ug/m^3), benzene (maximum of 19.9 ug/m^3) and xylenes (maximum of 204 ug/m^3). Tetrachloroethene (PCE) was detected in all samples ranging from 96 ug/m^3 to a maximum of 333 ug/m^3. TCE concentrations ranged from 0.97 to 2.53 ug/m^3. Chlorinated VOCs were not identified in site soils or groundwater. The low-level

petroleum VOCs identified in site soils were identified as low-level soil concentrations, however the low-level petroleum VOCs were not identified in site ground water, with the exception of benzene. Benzene was identified at low levels in one soil sample and below the groundwater protection standard but was in exceedance of its GQS in one upgradient groundwater well.

5.5 PRIOR ACTIVITY

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

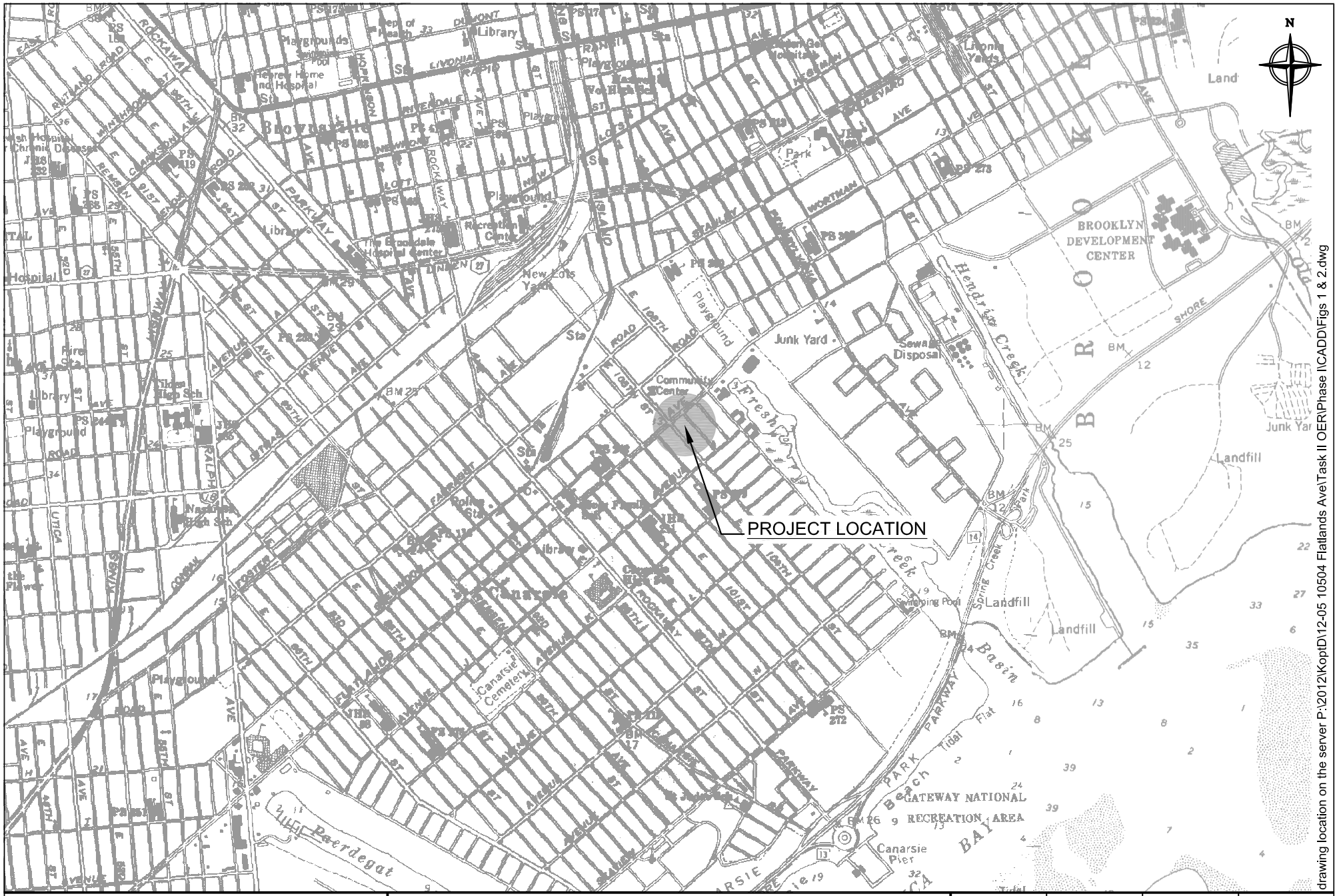
5.6 IMPEDIMENTS TO REMEDIAL ACTION

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

Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

Figures



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase II\CADD\Figs 1 & 2.dwg

PREPARED BY:

J.R. HOLZMACHER P.E., LLC

The Third Generation of Excellence
In Water Supply, Water Resources,
Civil and Environmental Engineering

300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788

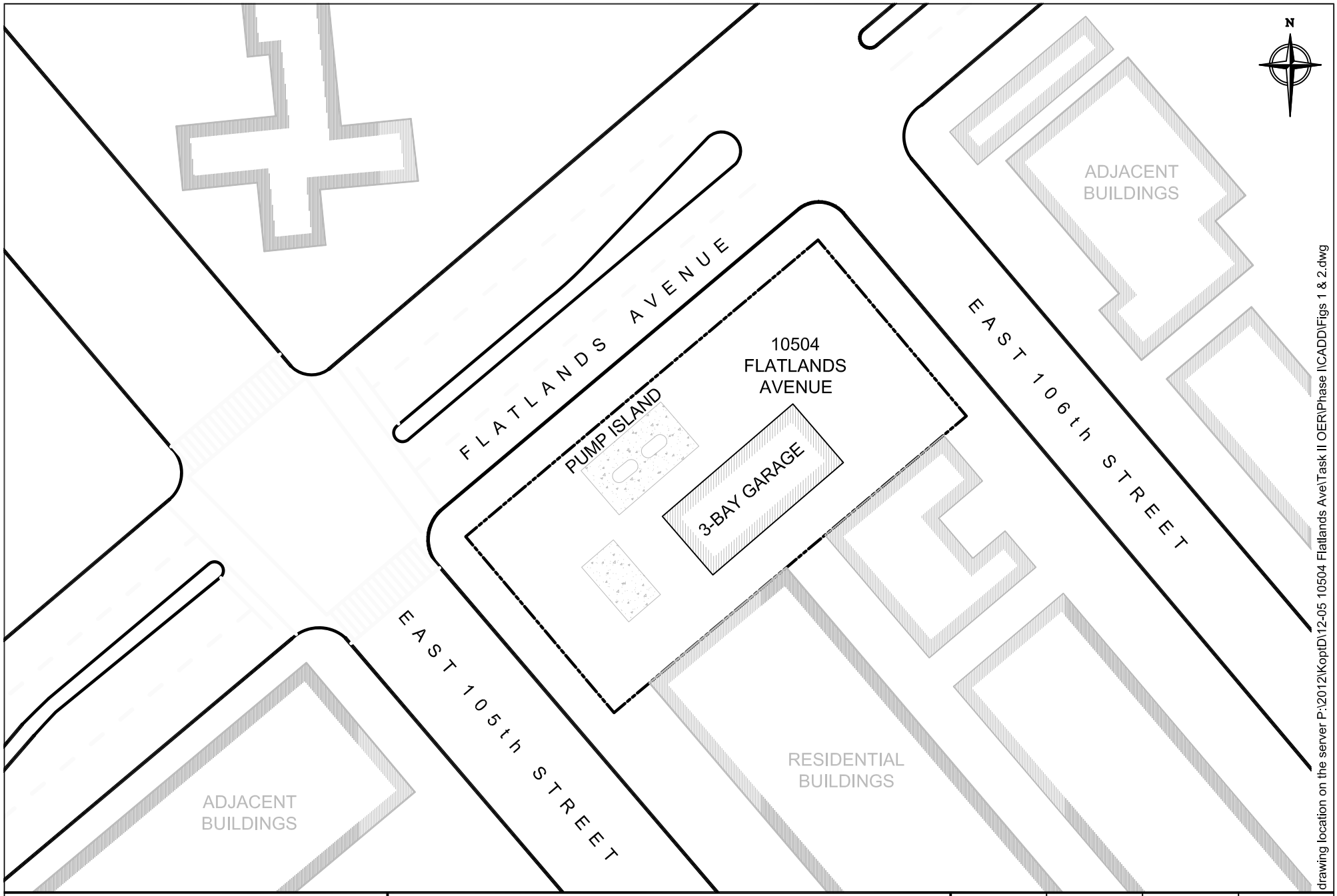
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

LOCATION MAP

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 2000'	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
1			



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase I\CADD\Figs 1 & 2.dwg

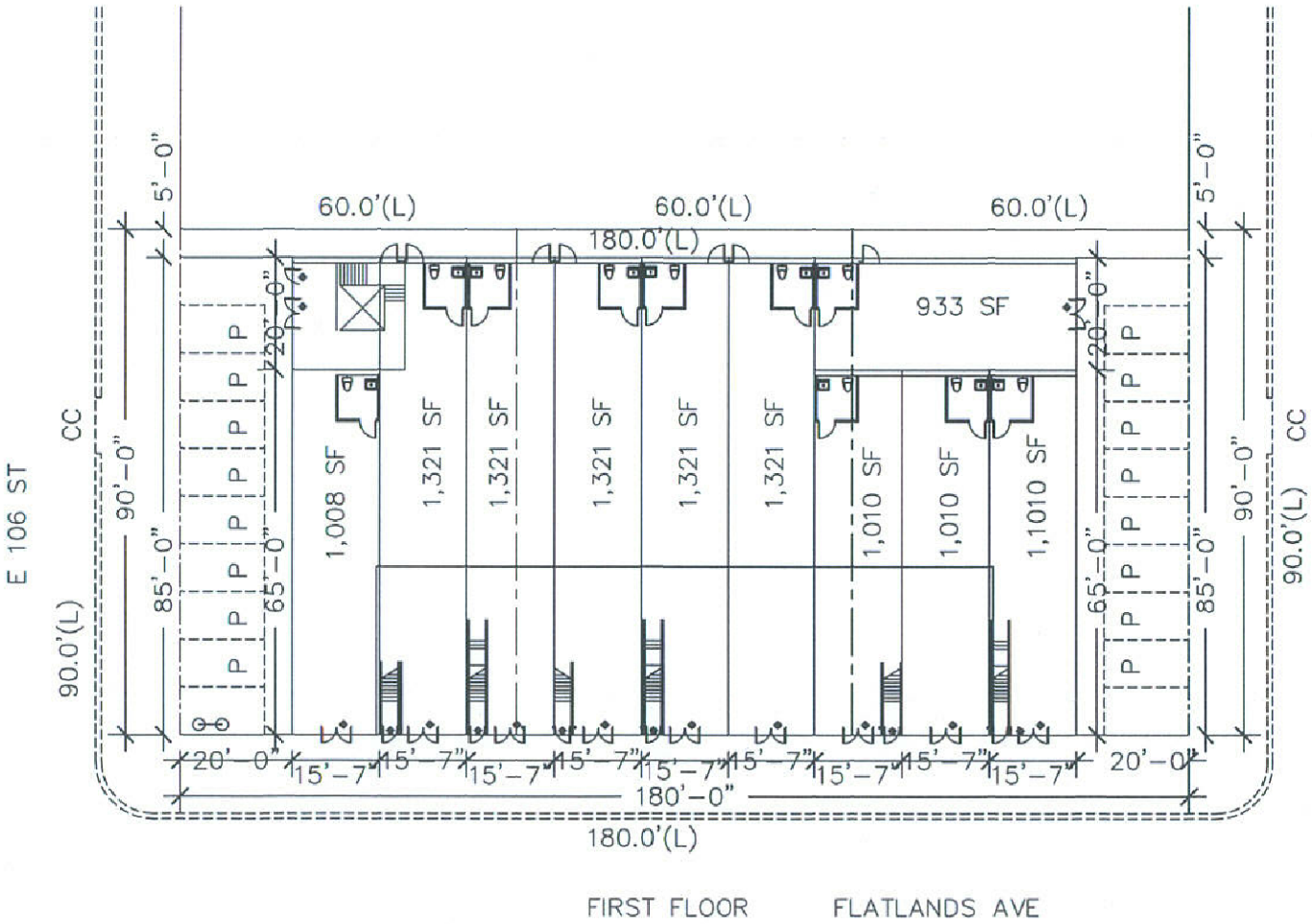
PREPARED BY:
J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence
In Water Supply, Water Resources,
Civil and Environmental Engineering
300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

SITE PLAN

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 50'	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
2			



LAND AREA 16,200 SF
MAX FIRST FOOR BULID UP AREA 10,800 SF
COMMERCIAL FAR 2.0
MAX COMMERCIAL BUILT UP FL AREA = 2.0 X 16,200 SF = 32,400 SF
FIRST FL BUILD UP 11,900 SF
SECOND FL BUILD UP 11,900 SF
1ST + 2ND = 11,900 SF + 11,900 SF = 23,800 SF
WAIVER PARKING 25 CAR X 300 SF = 7,500 SF ONE BUILDING
40X85X2 = 6,800 SF < 7,500 SF FOR ONE BUILDING SIDE BUILDING
60X60X2 = 7,200 SF < 7,500 SF ONE BUILDING

BOROUGH BROOKLYN
ADDRESS 10404 FLATLANDS AVE BROOKLYN NY 11236
BLOCK: 8213
LOT: 37
MAP 23C
ZONE C2-3, R5D
FAR COMMERCIAL 2.0
WAIVER PARKING 25 CAR X 300 SF = 7,500 SF ONE BUILDING
E DESINATION

E 105 ST

N

drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase II\CADD\Figs 3 & 4.dwg

PREPARED BY:
J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence In Water Supply, Water Resources, Civil and Environmental Engineering
300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

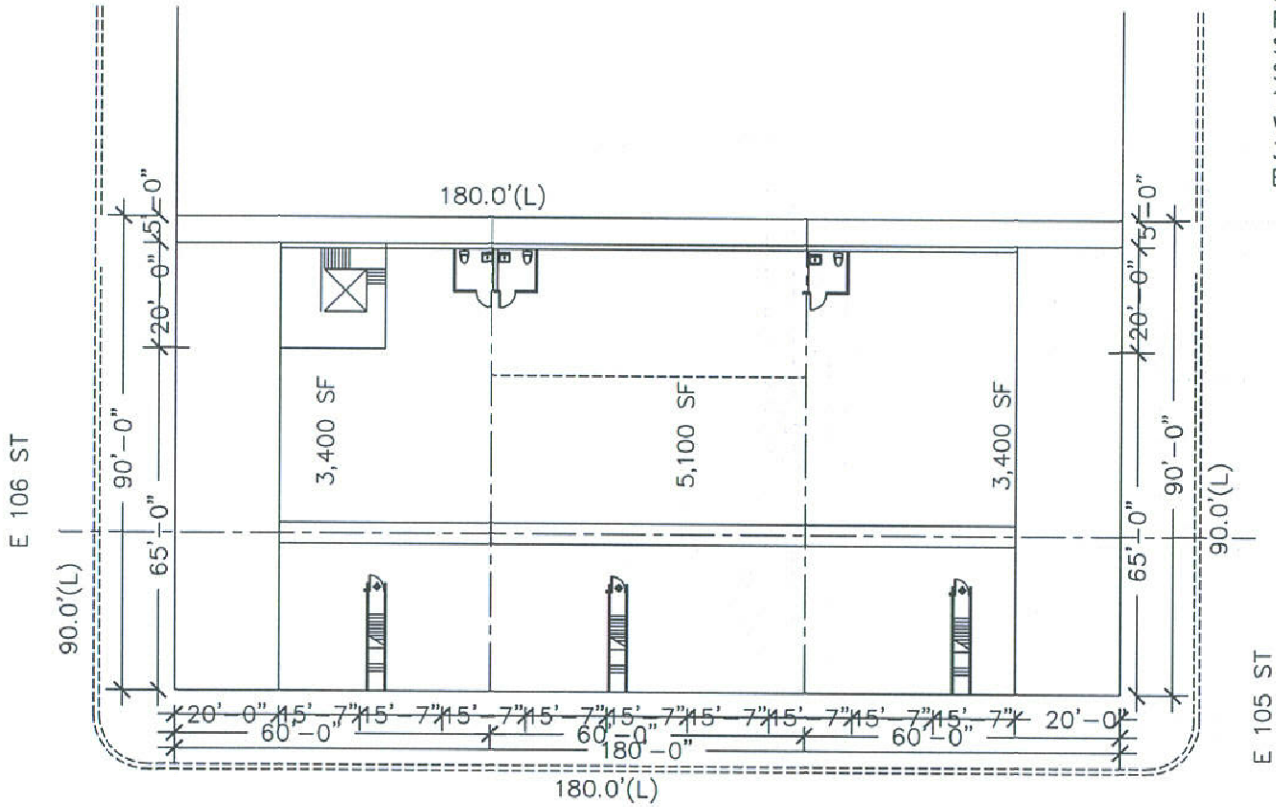
TITLE:

SITE DEVELOPMETN PLAN - FIRST FLOOR

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	NTS	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
3A			

LAND AREA 16,200 SF
MAX FIRST FOOR BULID UP AREA 10,800 SF
COMMERCIAL FAR 2.0
MAX COMMERCIAL BUILT UP FL AREA = 2.0 X 16,200 SF = 32,400 SF
FIRST FL BUILD UP 10,800 SF
SECOND FL BUILD UP 10,800 SF
1ST + 2ND = 21,600 SF
WAIVER PARKING 25 CAR X 300 SF = 7,500 SF ONE BUILDING



BOROUGH BROOKLYN
ADDRESS 10404 FLATLANDS AVE BROOKLYN NY 11236
BLOCK: 8213
LOT: 37
MAP 23C
ZONE C2-3, R5D
FAR COMMERCIAL 2.0
WAIVER PARKING 25 CAR X 300 SF = 7,500 SF ONE BUILDING
E DESIGNATION

drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase II\CADD\Figs 3 & 4.dwg

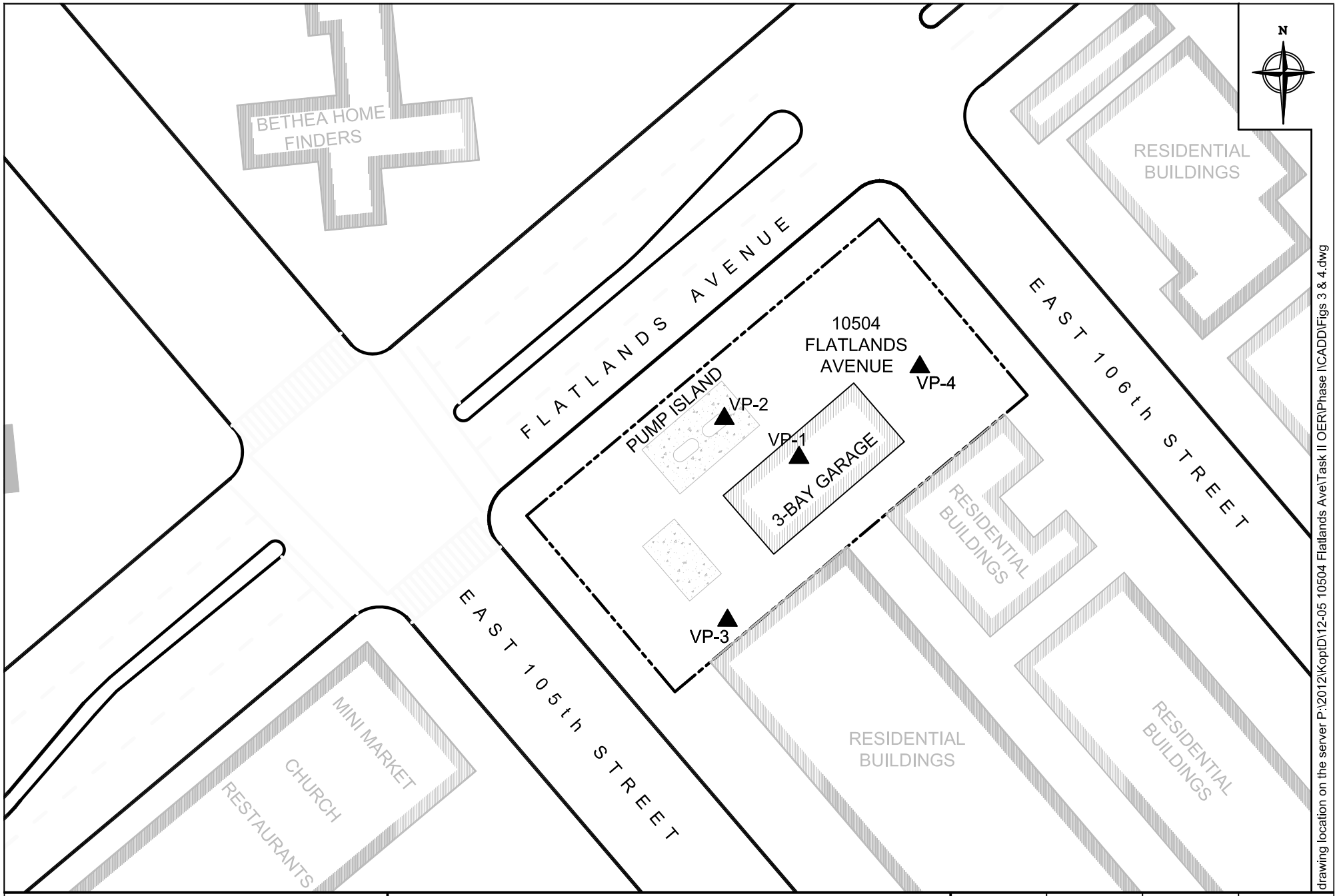
PREPARED BY:
J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence In Water Supply, Water Resources, Civil and Environmental Engineering
300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

SITE DEVELOPMETN PLAN - SECOND FLOOR

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	NTS	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
3B			



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase I\CADD\Figs 3 & 4.dwg

PREPARED BY:

J.R. HOLZMACHER P.E., LLC

The Third Generation of Excellence
In Water Supply, Water Resources,
Civil and Environmental Engineering

300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788

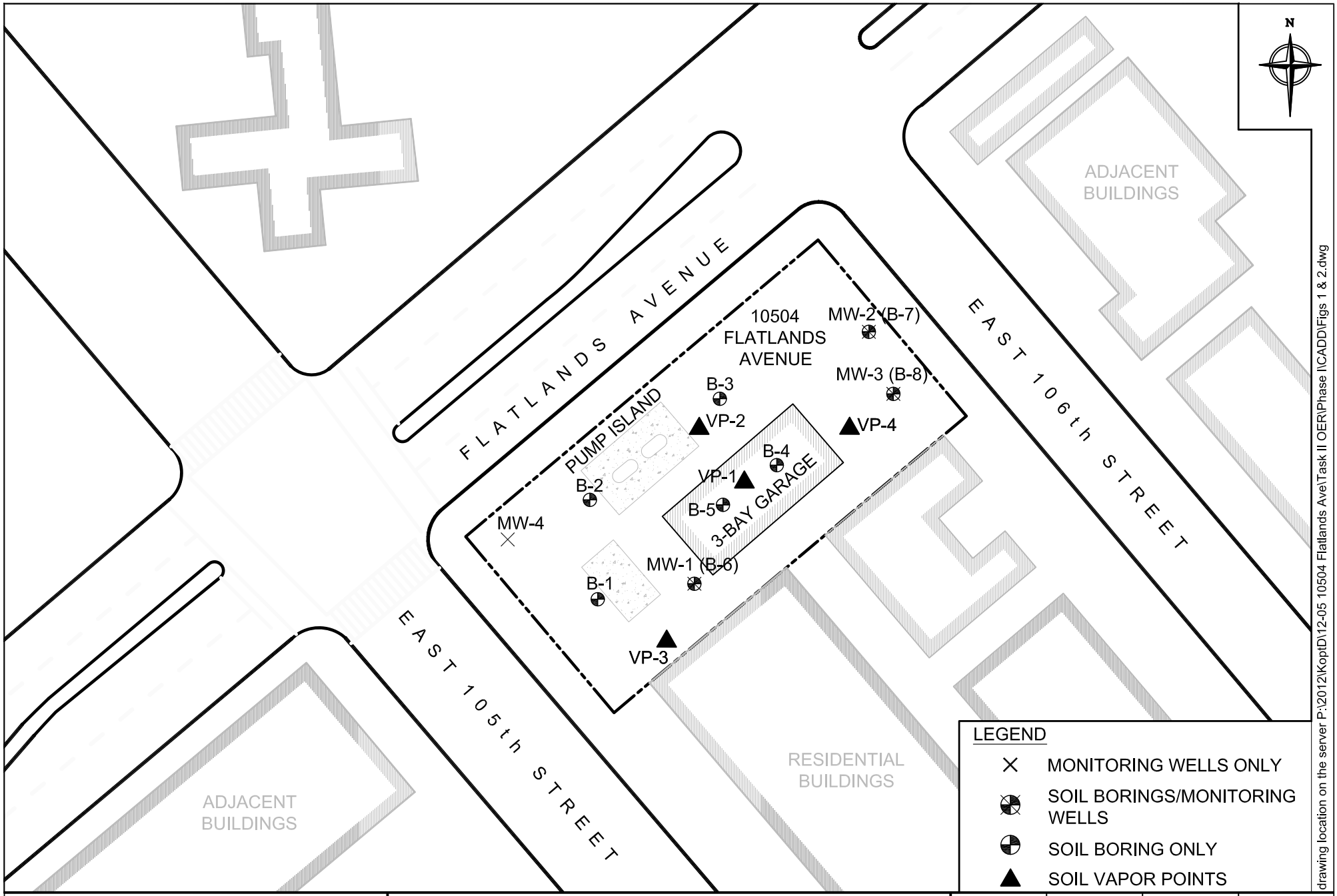
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

SURROUNDING PROPERTY USE

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 50'	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
4			



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase I\CADD\Figs 1 & 2.dwg

PREPARED BY:
J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence
In Water Supply, Water Resources,
Civil and Environmental Engineering
300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

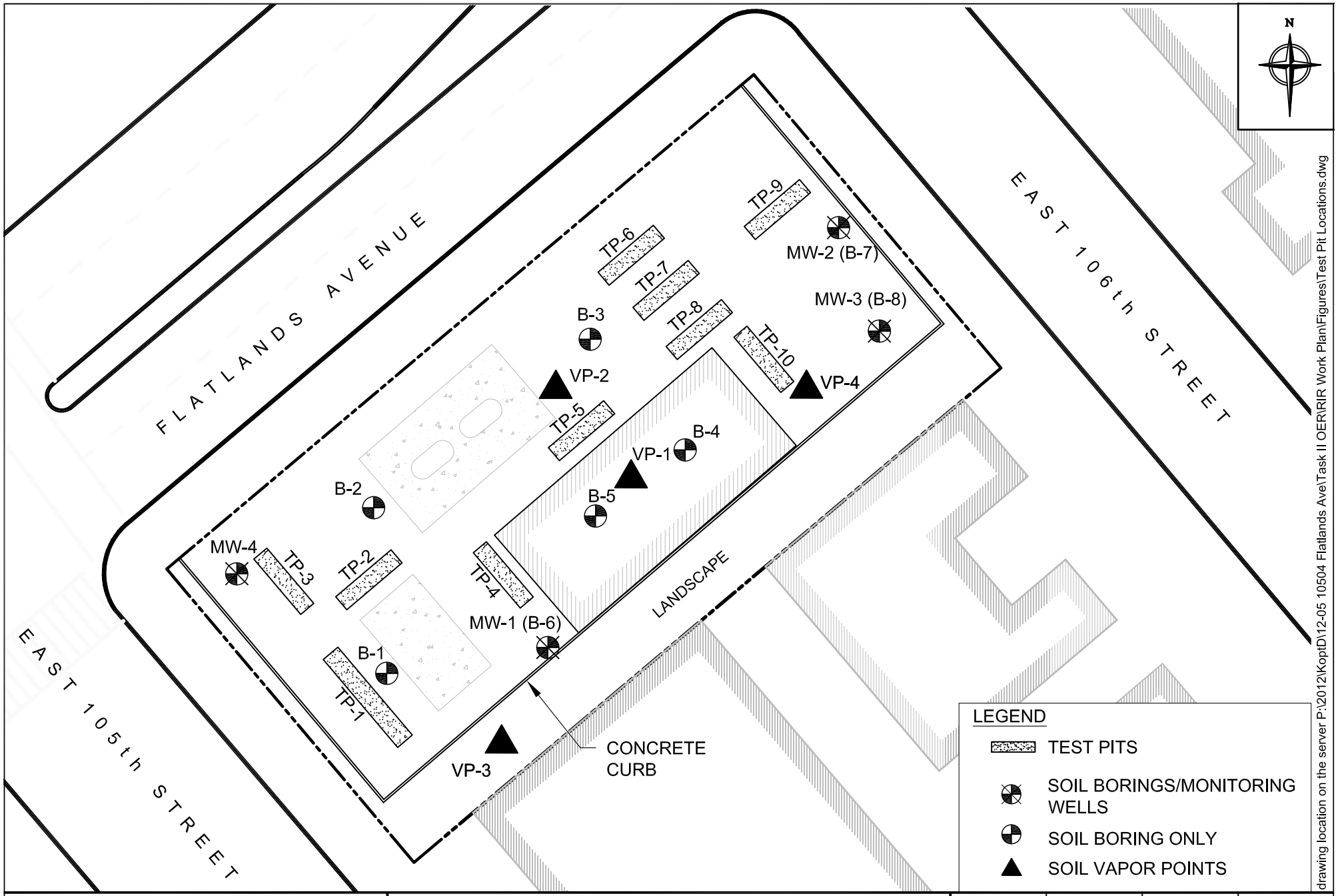
TITLE:

SAMPLING POINT LOCATIONS

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 50'	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-

FIGURE NO.: 5



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\RIR Work Plan\Figures\Test Pit Locations.dwg

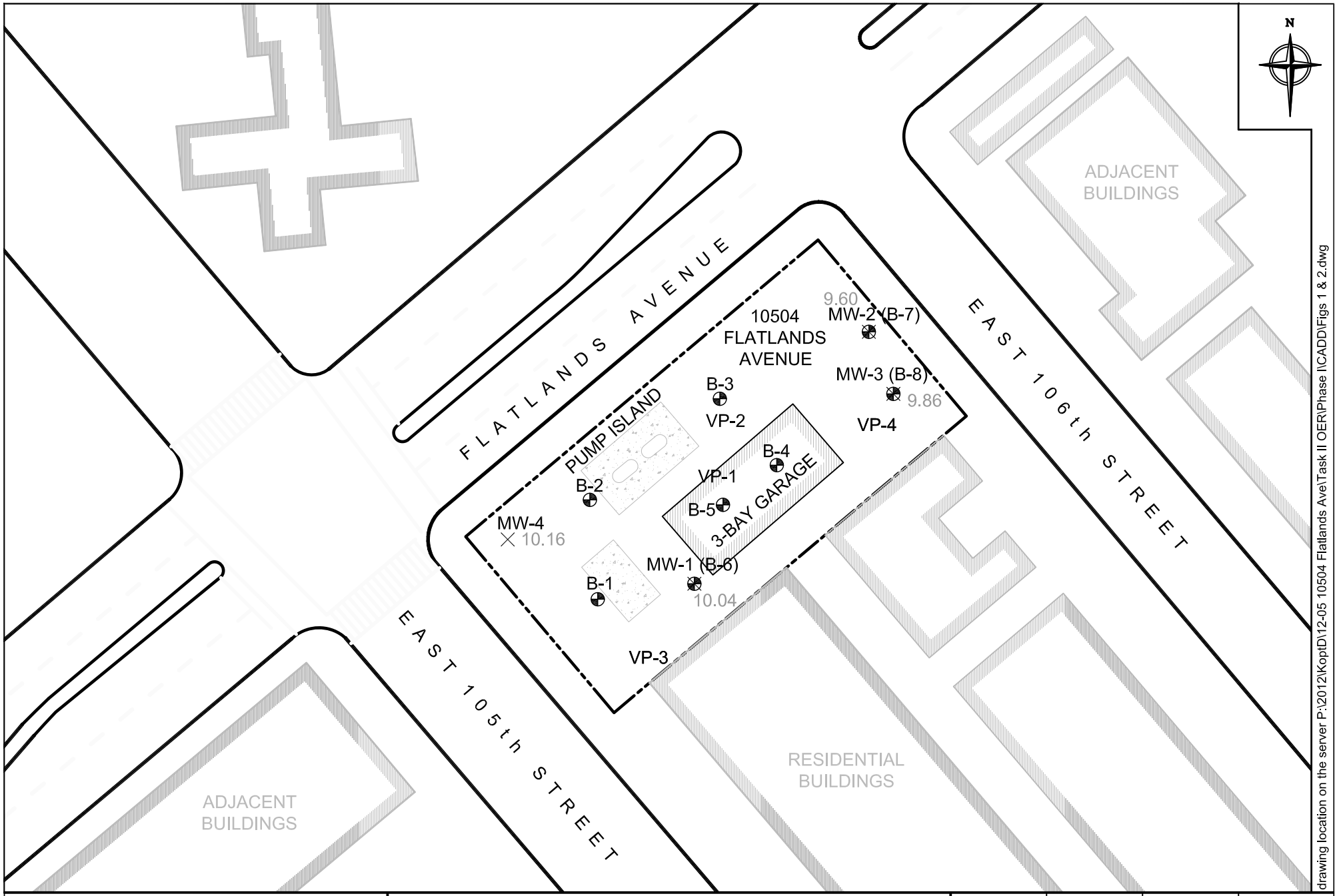
PREPARED BY:
J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence In Water Supply, Water Resources, Civil and Environmental Engineering
300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

TEST PIT LOCATIONS

8-14-2012 INVESTIGATION
10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 50'	8/14/2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
5A			



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase I\CADD\Figs 1 & 2.dwg

PREPARED BY:
J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence
In Water Supply, Water Resources,
Civil and Environmental Engineering
300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

GROUNDWATER ELEVATIONS 7-23-2012

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 50'	8-6-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
6			

Tables

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Volatile Organic Chemicals For Soils
EPA Method 8260
Table 1

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**							
1,1,1,2-Tetrachloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	PPB	680	100000	500000	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	PPB	270	19000	240000	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	PPB	330	100000	500000	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	PPB	NA	NA	NA	3.7	9.8	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	PPB	3600	47000	190000	1.5J	23	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	1100	100000	500000	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	PPB	20	2300	30000	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	PPB	8400	47000	190000	5	7.8	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	2400	17000	280000	ND	ND	ND	ND	ND	ND	ND
1,3-dichloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	1800	9800	130000	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	PPB	100	9800	130000	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
2-Butanone	PPB	120	NA	500000	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
2-Propanol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	PPB	NA	NA	NA	ND	0.42J	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Acetone	PPB	50	100000	500000	ND	ND	ND	ND	ND	ND	ND
Acrolein	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Benzene	PPB	60	2900	44000	ND	0.53J	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Volatile Organic Chemicals For Soils
EPA Method 8260
Table 1

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**							
Bromobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Bromoform	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Bromomethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	PPB	760	1400	22000	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	PPB	1100	100000	500000	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Chloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Chloroform	PPB	370	10000	350000	ND	ND	ND	ND	ND	ND	ND
Chloromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	PPB	250	59000	500000	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Diisopropyl ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Ethanol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Ethyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	PPB	1000	30000	390000	ND	2.7	ND	ND	ND	ND	ND
Freon-114	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Isopropyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	PPB	NA	NA	NA	ND	0.66J	ND	ND	ND	ND	ND
m,p-Xylene	PPB	260	NA	500000	ND	8.9	ND	ND	ND	ND	ND
Methyl Acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	PPB	930	62000	500000	ND	5.3	ND	ND	ND	ND	ND
Methylene chloride	PPB	50	51000	500000	7.1B	7.9B	7.7B	6.9B	8.8B	9.2B	11B
n-Amyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Naphthalene	PPB	12000	100000	500000	ND	2.6	ND	ND	ND	ND	ND
n-Butyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	PPB	12000	100000	500000	ND	0.5J	ND	ND	ND	ND	ND
n-Propyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	PPB	3900	100000	500000	ND	1.7J	ND	ND	ND	ND	ND
o-Xylene	PPB	260	100000	500000	0.28J	0.37J	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Volatile Organic Chemicals For Soils
EPA Method 8260
Table 1

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**							
p-Diethylbenzene	PPB	NA	NA	NA	3.4	6	ND	ND	ND	ND	ND
p-Ethyltoluene	PPB	NA	NA	NA	0.55J	4.6	ND	ND	ND	ND	ND
sec-Butylbenzene	PPB	11000	100000	500000	ND	ND	ND	ND	ND	ND	ND
Styrene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
t-Butyl alcohol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	PPB	5900	100000	500000	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	PPB	1300	5500	150000	ND	ND	ND	ND	ND	ND	ND
Toluene	PPB	700	100000	500000	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	PPB	190	100000	500000	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	PPB	470	10000	200000	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	PPB	20	210	13000	ND	ND	ND	ND	ND	ND	ND

Notes:
ND - Not detected
Objectives as per NYSDEC Part 375-6.8(b)
B- Detected in Blank
NA- Not Available

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Volatile Organic Chemicals For Soils
EPA Method 8260
Table 1

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**MW-3**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**									
1,1,1,2-Tetrachloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	PPB	680	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	PPB	270	19000	240000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	PPB	330	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	PPB	NA	NA	NA	ND	12	59	0.56J	1900	ND	0.92J	ND	ND
1,2,4-Trichlorobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	PPB	3600	47000	190000	ND	0.72J	1.5J	ND	7.2	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	1100	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	PPB	20	2300	30000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	PPB	8400	47000	190000	ND	0.46J	3.2	ND	4.9	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	2400	17000	280000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	1800	9800	130000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	PPB	100	9800	130000	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	PPB	120	NA	500000	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Propanol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	PPB	NA	NA	NA	ND	ND	2.3J	ND	9.9	ND	ND	ND	ND
4-Methyl-2-pentanone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	PPB	50	100000	500000	ND	20	ND	ND	ND	ND	ND	ND	ND
Acrolein	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	PPB	60	2900	44000	ND	ND	40	ND	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Volatile Organic Chemicals For Soils
EPA Method 8260
Table 1

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**MW-3**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**									
Bromobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	PPB	760	1400	22000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	PPB	1100	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	PPB	370	10000	350000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	PPB	250	59000	500000	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diisopropyl ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	PPB	1000	30000	390000	ND	0.93J	61	ND	1.6J	ND	ND	ND	ND
Freon-114	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	PPB	NA	NA	NA	ND	0.99J	42	ND	12	ND	ND	ND	ND
m,p-Xylene	PPB	260	NA	500000	ND	0.9J	27	ND	0.98J	ND	ND	ND	ND
Methyl Acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	PPB	930	62000	500000	ND	ND	1.3J	ND	ND	ND	ND	ND	ND
Methylene chloride	PPB	50	51000	500000	8.3B	8.7B	11B	10B	11B	9B	11B	11B	9.8B
n-Amyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	PPB	12000	100000	500000	ND	1.2J	47	1.5J	160	ND	ND	ND	ND
n-Butyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	PPB	12000	100000	500000	ND	0.41J	17	ND	95	ND	ND	ND	ND
n-Propyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	PPB	3900	100000	500000	ND	2.7	130	ND	88	ND	ND	ND	ND
o-Xylene	PPB	260	100000	500000	ND	0.45J	1.5J	ND	0.63J	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Volatile Organic Chemicals For Soils
EPA Method 8260
Table 1

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**MW-3**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**									
p-Diethylbenzene	PPB	NA	NA	NA	ND	1.7J	24	ND	75	ND	0.36J	ND	ND
p-Ethyltoluene	PPB	NA	NA	NA	ND	0.6J	12	ND	8.7	ND	ND	ND	ND
sec-Butylbenzene	PPB	11000	100000	500000	ND	0.58J	9.6	ND	25	ND	ND	ND	ND
Styrene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl alcohol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	PPB	5900	100000	500000	ND	ND	0.35J	ND	ND	ND	ND	ND	ND
Tetrachloroethene	PPB	1300	5500	150000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	PPB	700	100000	500000	ND	ND	2J	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	PPB	190	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	PPB	470	10000	200000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	PPB	20	210	13000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND - Not detected
Objectives as per NYSDEC Part 375-6.8(b)
B- Detected in Blank
NA- Not Available

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Semi EPA Volatile Organic Chemicals (SVOCs)
Method 8270 STARS for Soils
Table 2

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
1,2,4-Trichlorobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	1100	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	2400	17000	280000	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	1800	9800	130000	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	PPB	NA	NA	NA	ND	ND	ND	ND	83J	ND	160J	ND
2-Methylphenol	PPB	330	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
3,3´-Dichlorobenzidine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenol	PPB	330	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	PPB	20000	100000	500000	ND	ND	ND	94J	350	ND	1800	ND
Acenaphthylene	PPB	100000	100000	500000	ND	ND	ND	ND	44J	ND	ND	ND
Acetophenone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Semi EPA Volatile Organic Chemicals (SVOCs)
Method 8270 STARS for Soils
Table 2

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
Anthracene	PPB	100000	100000	500000	260J	250J	ND	950	5800	ND	8400	33J
Atrazine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	PPB	1000	1000	5600	230J	220J	120J	570	**4200**	ND	**3500**	200J
Benzo(a)pyrene	PPB	1000	1000	1000	280	240J	140J	520	**3200**	ND	**2800**	240J
Benzo(b)fluoranthene	PPB	1000	1000	5600	230J	190J	100J	500	**2700**	42J	**2400**	180J
Benzo(g,h,i)perylene	PPB	100000	100000	500000	210J	130J	94J	280J	1800	ND	1300	130J
Benzo(k)fluoranthene	PPB	800	1000	56000	250J	210J	110J	550	**2700**	46J	**2400**	200J
Benzoic acid	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	PPB	1000	1000	56000	260J	270J	130J	520	**4300**	ND	**3400**	300
Dibenzo(a,h)anthracene	PPB	330	330	560	48J	37J	29J	120J	**560**	ND	**570**	ND
Dibenzofuran	PPB	7000	14000	350000	ND	ND	ND	56J	190J	ND	710	ND
Diethyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	PPB	100000	100000	500000	640	440	260J	1300	11000	52J	8400	500
Fluorene	PPB	30000	100000	500000	ND	ND	ND	58J	340	ND	1100	ND
Hexachlorobenzene	PPB	330	NA	6000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Semi EPA Volatile Organic Chemicals (SVOCs)
Method 8270 STARS for Soils
Table 2

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
Hexachloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	PPB	500	500	5600	160J	140J	120J	310	**1900**	ND	**1600**	110J
Isophorone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	PPB	12000	100000	500000	ND	46J	ND	ND	83J	ND	470	ND
Nitrobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Parathion	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	PPB	800	2400	6700	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	PPB	100000	100000	500000	260J	250J	100J	950	5700	ND	8300	290
Phenol	PPB	330	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	PPB	100000	100000	500000	440	320	200J	1100	8200	38J	8000	370
Pyridine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND - Not detected
Bold- *Denotes detection above SCOs*
Objectives as per NYSDEC Part 375-6.8(b)
J- Laboratory Estimated Concentration
NA- Not Available

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Semi EPA Volatile Organic Chemicals (SVOCs)
Method 8270 STARS for Soils
Table 2

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
1,2,4-Trichlorobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	1100	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	2400	17000	280000	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	1800	9800	130000	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	PPB	NA	NA	NA	29J	280J	ND	1300	ND	ND	ND	ND
2-Methylphenol	PPB	330	100000	500000	ND	ND	ND	ND	33J	ND	ND	ND
2-Nitroaniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
3,3´-Dichlorobenzidine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenol	PPB	330	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	PPB	20000	100000	500000	94J	66J	ND	76J	ND	ND	ND	ND
Acenaphthylene	PPB	100000	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Semi EPA Volatile Organic Chemicals (SVOCs)
Method 8270 STARS for Soils
Table 2

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
Anthracene	PPB	100000	100000	500000	34J	ND	ND	460	ND	210J	ND	260J
Atrazine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	PPB	1000	1000	5600	200J	110J	190J	73J	59J	150J	77J	260J
Benzo(a)pyrene	PPB	1000	1000	1000	260J	100J	200J	76J	58J	150J	75J	240J
Benzo(b)fluoranthene	PPB	1000	1000	5600	170J	130J	210J	120J	62J	100J	120J	200J
Benzo(g,h,i)perylene	PPB	100000	100000	500000	170J	66J	130J	52J	42J	110J	38J	160J
Benzo(k)fluoranthene	PPB	800	1000	56000	190J	140J	230J	130J	68J	140J	130J	220J
Benzoic acid	PPB	NA	NA	NA	ND	120J	120J	110J	ND	ND	ND	ND
Benzyl alcohol	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	470	ND	ND
Butyl benzyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	PPB	1000	1000	56000	260J	130J	200J	110J	66J	150J	79J	220J
Dibenzo(a,h)anthracene	PPB	330	330	560	53J	ND	35J	ND	ND	ND	ND	32J
Dibenzofuran	PPB	7000	14000	350000	ND	ND	ND	45J	ND	ND	ND	ND
Diethyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	PPB	100000	100000	500000	420	190J	410	280	150J	400	220J	580
Fluorene	PPB	30000	100000	500000	ND	57J	ND	210J	ND	ND	ND	ND
Hexachlorobenzene	PPB	330	NA	6000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Semi EPA Volatile Organic Chemicals (SVOCs)
Method 8270 STARS for Soils
Table 2

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
Hexachloroethane	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	PPB	500	500	5600	200J	63J	140J	54J	48J	91J	60J	140J
Isophorone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	PPB	12000	100000	500000	48J	1100	ND	980	ND	ND	ND	ND
Nitrobenzene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Parathion	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	PPB	800	2400	6700	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	PPB	100000	100000	500000	140J	190J	110J	460	49J	210J	120J	260J
Phenol	PPB	330	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	PPB	100000	100000	500000	320	140J	290	200J	110J	280	160J	440
Pyridine	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND - Not detected
Bold- *Denotes detection above SCOs*
Objectives as per NYSDEC Part 375-6.8(b)
J- Laboratory Estimated Concentration
NA- Not Available

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Pesticides Method 8081
Table 3

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
4,4´-DDD	PPB	3.3	2600	92000	2.9	2.7	ND	ND	2.5P	ND	16	1.7P
4,4´-DDE	PPB	3.3	1800	62000	1.4P	ND	0.43P	0.27	1	ND	11P	**4.4P**
4,4´-DDT	PPB	3.3	1700	47000	**8.4P**	ND	1.8	1.4	5	ND	**5.7**	**4.1**
Aldrin	PPB	5	19	680	ND	ND	ND	ND	1.1	ND	ND	ND
alpha-BHC	PPB	20	97	3400	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	PPB	36	72	3000	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	PPB	94	910	24000	ND	ND	ND	6.6	ND	8.5	ND	ND
Chlorobenzilate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
DBCP	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	PPB	40	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	PPB	5	39	1400	ND	ND	ND	ND	3.7P	ND	**33**	ND
Endosulfan I	PPB	2400	4800	200000	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	PPB	2400	4800	200000	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	PPB	2400	4800	200000	ND	ND	0.38	ND	ND	ND	ND	ND
Endrin	PPB	14	2200	89000	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	PPB	100	280	9200	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	PPB	42	420	15000	ND	ND	ND	ND	ND	1.3P	ND	ND
Heptachlor epoxide	PPB	NA	NA	NA	ND	ND	ND	ND	0.24	ND	ND	ND
Hexachlorobenzene	PPB	330	NA	6000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND - Not detected
Objectives as per NYSDEC Part 375-6.8(b)
NA- Not Available
P->40% diff for detected cone between the two GC columns

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Pesticides Method 8081
Table 3

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
4,4´-DDD	PPB	3.3	2600	92000	2.3P	ND	ND	ND	ND	1.2P	ND	ND
4,4´-DDE	PPB	3.3	1800	62000	ND	ND	ND	0.69	0.61	0.67	0.33	2.9P
4,4´-DDT	PPB	3.3	1700	47000	0.86	ND	ND	ND	2.2	2.4	ND	**5.6**
Aldrin	PPB	5	19	680	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	PPB	20	97	3400	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	PPB	36	72	3000	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	PPB	94	910	24000	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzilate	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
DBCP	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	PPB	40	100000	500000	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	PPB	5	39	1400	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	PPB	2400	4800	200000	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	PPB	2400	4800	200000	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	PPB	2400	4800	200000	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	PPB	14	2200	89000	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	PPB	NA	NA	NA	0.72	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	PPB	100	280	9200	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	PPB	42	420	15000	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	0.52
Hexachlorobenzene	PPB	330	NA	6000	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	PPB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND - Not detected
Objectives as per NYSDEC Part 375-6.8(b)
NA- Not Available
P->40% diff for detected cone between the two GC columns

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

PCBs Method 8082
Table 4

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
Aroclor 1016	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	PPB	100	1000	1000	ND	ND	ND	ND	22	ND	20	6.6
Aroclor 1262	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All results in ppb
ND - Not detected
J- Laboratory Estimated Concentration

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

PCBs Method 8082
Table 4

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commercial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
Aroclor 1016	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	PPB	100	1000	1000	6.9	ND	ND	1.9J	ND	10	ND	ND
Aroclor 1262	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	PPB	100	1000	1000	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All results in ppb
ND - Not detected
J- Laboratory Estimated Concentration

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

TAL Metals Analysis
Table 5

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-1**	**B-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**	**MW-3**
Depth of Sample		**Unrestricted**	**Restricted**	**Commericial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
Aluminum	PPM	NA	NA	NA	4930	3660	6260	5550	3780	2400	5200	4290
Antimony	PPM	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	PPM	13	16	16	2.13	1.3	3.23	2.12	4.26	1.33	2.75	1.94
Barium	PPM	350	350	400	34.3	26	58.5	34.8	243	16.4	108	34.1
Beryllium	PPM	7.2	14	590	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	PPM	2.5	2.5	9.3	0.148J	ND	0.359J	ND	1.3	ND	0.242J	0.133J
Calcium	PPM	NA	NA	NA	1320	8700	1440	2720	6280	1540	2880	1160
Chromium	PPM	30	36	1500	11.6	8.75	15.7	13.7	13.8	6.86	15.3	10.4
Cobalt	PPM	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Copper	PPM	50	270	270	16.7	12.1	29	16.1	71.2	11.5	40.6	15.4
Iron	PPM	NA	NA	NA	11600	8740	18000	13800	18700	9290	14900	13100
Lead	PPM	63	400	1000	50.1	23.9	50.5	23.7	343	8.83	**181**	34.1
Magnesium	PPM	NA	NA	NA	1780	2310	2710	1960	1650	1610	2310	1710
Manganese	PPM	1600	NA	NA	93.7	108	303	209	183	111	198	200
Mercury	PPM	0.18	0.81	NA	0.0878	0.0412	0.101	0.0919	**0.704**	0.0172	**0.7**	**1.37**
Nickel	PPM	30	140	310	11.3	7.56	17.8	11	11.9	6.86	17.5	11.3
Potassium	PPM	NA	NA	NA	656	686	1130	785	748	433	1100	709
Selenium	PPM	3.9	36	1500	ND	ND	ND	ND	ND	ND	ND	ND
Silver	PPM	2	36	1500	ND	ND	ND	ND	0.203J	ND	ND	ND
Sodium	PPM	NA	NA	NA	53.8	55.3	98.6	93.1	161	44.1	95.3	73.3
Thallium	PPM	NA	NA	NA	0.503J	0.615	0.837	0.703	0.367J	0.413J	0.717	0.534J
Vanadium	PPM	NA	NA	NA	18.6	13.9	26.9	19.6	18.3	12.4	21.1	19.1
Zinc	PPM	109	2200	10000	50.4	29	**574**	41	**373**	31.6	**218**	53

Notes:
ND - Not detected
Bold- *Denotes detection above SCOs*
Objectives as per NYSDEC Part 375-6.8(b)
J- Laboratory Estimated Concentration
NA- Not Available

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

TAL Metals Analysis
Table 5

Client SampleID:		**SCOs**	**SCOs**	**SCOs**	**B-2**	**B-2**	**B-3**	**B-3**	**B-4**	**B-4**	**B-5**	**B-5**
Depth of Sample		**Unrestricted**	**Restricted**	**Commericial**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**	**0-2 ft**	**5-8 ft**
Sampling Date:			**Residential**		**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**	**7/6/2012**
Analyte	**Units**	**Track 1**	**Track 2**	**Track 4**								
Aluminum	PPM	NA	NA	NA	5770	3600	4680	2980	4960	5150	3840	5650
Antimony	PPM	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	PPM	13	16	16	2.34	1	2.05	1.2	4.06	2.45	2.15	2.02
Barium	PPM	350	350	400	49.9	31.3	38.6	18.4	43.7	86.4	37.9	44.1
Beryllium	PPM	7.2	14	590	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	PPM	2.5	2.5	9.3	0.162J	ND	ND	ND	0.229J	0.24J	ND	ND
Calcium	PPM	NA	NA	NA	3890	1190	4120	777	1010	9710	2350	2760
Chromium	PPM	30	36	1500	13.4	8.72	12	10.1	13.1	14	11.4	13.3
Cobalt	PPM	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Copper	PPM	50	270	270	18.6	7.87	17.8	13.5	14.1	19.5	11.8	17
Iron	PPM	NA	NA	NA	13300	7040	12900	10700	14100	13200	11300	14800
Lead	PPM	63	400	1000	42.7	14.7	38.6	30.2	**68**	59.4	25.3	32.7
Magnesium	PPM	NA	NA	NA	1910	1070	2230	1360	1950	3720	2450	1960
Manganese	PPM	1600	NA	NA	191	48.5	176	76.5	235	170	195	251
Mercury	PPM	0.18	0.81	NA	0.065	0.0298	0.115	0.0229	0.0666	0.0962	0.0437	0.0857
Nickel	PPM	30	140	310	12.6	6.84	14.3	8.52	14.7	13.7	16.3	12.9
Potassium	PPM	NA	NA	NA	721	334	1050	646	941	1280	1280	883
Selenium	PPM	3.9	36	1500	ND	ND	ND	ND	ND	ND	ND	ND
Silver	PPM	2	36	1500	ND	ND	ND	ND	ND	ND	ND	0.154J
Sodium	PPM	NA	NA	NA	163	173	105	62.2	151	202	128	76.4
Thallium	PPM	NA	NA	NA	0.66	ND	0.674	0.444J	ND	1.1	0.933	0.69
Vanadium	PPM	NA	NA	NA	18.7	11.3	17.8	13.4	22.6	17.6	17.4	20.8
Zinc	PPM	109	2200	10000	48.7	16.2	42.5	37.7	58.6	69.8	41	46.3

Notes:
ND - Not detected
***Bold**- Denotes detection above SCOs*
Objectives as per NYSDEC Part 375-6.8(b)
J- Laboratory Estimated Concentration
NA- Not Available

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Volatile Organic Chemicals for Groundwater
EPA Method 8260
Table 6

Client SampleID:		**NYS Groundwater Standards**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**Trip Blank**	**Field Blank**
Sampling Date:			**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**
Analyte	**Units**	**Limits**						
1,1,1,2-Tetrachloroethane	PPB	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	PPB	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	PPB	0.2	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	PPB	1	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	PPB	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	PPB	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	PPB	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	PPB	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	PPB	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	PPB	0.04	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	PPB	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	PPB	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	PPB	5	0.33J	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	PPB	0.04	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	PPB	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	3	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	PPB	0.6	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	PPB	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	PPB	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	3	ND	ND	ND	ND	ND	ND
1,3-dichloropropane	PPB	0.4	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	NR	ND	ND	ND	ND	ND	ND
1,4-Dioxane	PPB	3	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	PPB	1	ND	ND	ND	ND	ND	ND
2-Butanone	PPB	50*	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	PPB	50*	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	PPB	5	ND	ND	ND	ND	ND	ND
2-Hexanone	PPB	50*	ND	ND	ND	ND	ND	ND
2-Propanol	PPB	7	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	PPB	5	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	PPB	5	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	PPB	50*	ND	ND	ND	ND	ND	ND
Acetone	PPB	50*	ND	ND	ND	ND	ND	ND
Acrolein	PPB	20	ND	ND	ND	ND	ND	ND
Acrylonitrile	PPB	5	ND	ND	ND	ND	ND	ND
Benzene	PPB	1	0.94J	ND	ND	**5.2**	ND	ND
Bromobenzene	PPB	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	PPB	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	PPB	50*	ND	ND	ND	ND	ND	ND
Bromoform	PPB	50*	ND	ND	ND	ND	ND	ND
Bromomethane	PPB	5	ND	ND	ND	ND	ND	ND
Carbon disulfide	PPB	50*	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	PPB	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	PPB	5	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	PPB	50*	ND	ND	ND	ND	ND	ND
Chloroethane	PPB	5	ND	ND	ND	ND	ND	ND
Chloroform	PPB	7	ND	ND	ND	ND	ND	ND
Chloromethane	PPB	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	PPB	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	PPB	0.4	ND	ND	ND	ND	ND	ND
Dibromochloromethane	PPB	5	ND	ND	ND	ND	ND	ND
Dibromomethane	PPB	5	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	PPB	5	ND	ND	ND	ND	ND	ND
Diisopropyl ether	PPB	50*	ND	ND	ND	ND	ND	ND
Ethanol	PPB	50*	ND	ND	ND	ND	ND	ND
Ethyl acetate	PPB	50*	ND	ND	ND	ND	ND	ND
Ethylbenzene	PPB	5	ND	ND	ND	ND	ND	ND
Freon-114	PPB	50*	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	0.5	ND	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Volatile Organic Chemicals for Groundwater
EPA Method 8260
Table 6

Client SampleID:		**NYS Groundwater Standards**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**Trip Blank**	**Field Blank**
Sampling Date:			**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**
Analyte	**Units**	**Limits**						
Isopropyl acetate	PPB	50*	ND	ND	ND	ND	ND	ND
Isopropylbenzene	PPB	5	0.25J	ND	ND	ND	ND	ND
m,p-Xylene	PPB	5	ND	ND	ND	ND	ND	ND
Methyl Acetate	PPB	50*	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	PPB	10	0.31J	ND	ND	0.46J	ND	ND
Methylene chloride	PPB	5	2.2B	2.3B	2.8B	2.2B	2.6B	2.5B
n-Amyl acetate	PPB	50*	ND	ND	ND	ND	ND	ND
Naphthalene	PPB	10	ND	ND	ND	ND	ND	ND
n-Butyl acetate	PPB	50*	ND	ND	ND	ND	ND	ND
n-Butylbenzene	PPB	5	ND	ND	ND	ND	ND	ND
n-Propyl acetate	PPB	50*	ND	ND	ND	ND	ND	ND
n-Propylbenzene	PPB	5	ND	ND	ND	ND	ND	ND
o-Xylene	PPB	5	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	PPB	50*	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	PPB	50*	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	PPB	5	ND	ND	ND	ND	ND	ND
Styrene	PPB	5	ND	ND	ND	ND	ND	ND
t-Butyl alcohol	PPB	50*	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	PPB	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	PPB	5	ND	ND	ND	ND	ND	ND
Toluene	PPB	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	PPB	5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	PPB	0.4	ND	ND	ND	ND	ND	ND
Trichloroethene	PPB	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	PPB	5	ND	ND	ND	ND	ND	ND
Vinyl acetate	PPB	50*	ND	ND	ND	ND	ND	ND
Vinyl chloride	PPB	2	ND	ND	ND	ND	ND	ND

Notes:
ND - Not detected
**- Guidance Value*
B- Detected in Blank
J- Laboratory Estimated Concentration

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Semi Volatile Organic Chemicals (SVOCs) for Groundwater
EPA Method 8270
Table 7

Client SampleID:		**NYS Groundwater Standards**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**Field Blank**
Sampling Date:			**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**
Analyte	**Units**	**Limits**					
1,2,4-Trichlorobenzene	PPB	5	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	3	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	3	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	3	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	PPB	NA	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	PPB	NA	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	PPB	NA	ND	ND	ND	ND	ND
2,4-Dichlorophenol	PPB	5	ND	ND	ND	ND	ND
2,4-Dimethylphenol	PPB	50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	PPB	10	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	PPB	5	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	PPB	5	ND	ND	ND	ND	ND
2-Chloronaphthalene	PPB	10	ND	ND	ND	ND	ND
2-Chlorophenol	PPB	NA	ND	ND	ND	ND	ND
2-Methylnaphthalene	PPB	NA	0.51J	ND	ND	ND	ND
2-Methylphenol	PPB	NA	ND	ND	ND	ND	ND
2-Nitroaniline	PPB	5	ND	ND	ND	ND	ND
2-Nitrophenol	PPB	NA	ND	ND	ND	ND	ND
3,3´-Dichlorobenzidine	PPB	5	ND	ND	ND	ND	ND
3+4-Methylphenol	PPB	1	ND	ND	ND	ND	ND
3-Nitroaniline	PPB	5	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	PPB	NA	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	PPB	NA	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	PPB	NA	ND	ND	ND	ND	ND
4-Chloroaniline	PPB	NA	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	PPB	NA	ND	ND	ND	ND	ND
4-Nitroaniline	PPB	5	ND	ND	ND	ND	ND
4-Nitrophenol	PPB	NA	ND	ND	ND	ND	ND
Acenaphthene	PPB	20	4.7J	ND	2.9J	3.4J	ND
Acenaphthylene	PPB	NA	ND	ND	ND	ND	ND
Acetophenone	PPB	NA	ND	ND	ND	ND	ND
Aniline	PPB	NA	ND	ND	ND	ND	ND
Anthracene	PPB	50	ND	ND	ND	ND	ND
Atrazine	PPB	NA	ND	ND	ND	ND	ND
Azobenzene	PPB	NA	ND	ND	ND	ND	ND
Benzaldehyde	PPB	NA	ND	ND	ND	ND	ND
Benzidine	PPB	NA	ND	ND	ND	ND	ND
Benzo(a)anthracene	PPB	0.002	ND	ND	ND	ND	ND
Benzo(a)pyrene	PPB	NA	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	PPB	0.002	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	PPB	NA	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	PPB	0.002	ND	ND	ND	ND	ND
Benzoic acid	PPB	NA	ND	ND	ND	ND	ND
Benzyl alcohol	PPB	NA	ND	ND	ND	ND	ND
Biphenyl	PPB	NA	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	PPB	NA	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	PPB	NA	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	PPB	NA	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	PPB	5	ND	ND	ND	ND	ND
Butyl benzyl phthalate	PPB	NA	ND	ND	ND	ND	ND
Caprolactam	PPB	NA	ND	ND	ND	ND	ND
Carbazole	PPB	NA	ND	ND	ND	ND	ND
Chrysene	PPB	0.002	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	PPB	NA	ND	ND	ND	ND	ND
Dibenzofuran	PPB	NA	ND	ND	ND	ND	ND
Diethyl phthalate	PPB	NA	ND	ND	ND	ND	ND
Dimethyl phthalate	PPB	NA	ND	ND	ND	ND	ND
Di-n-butyl phthalate	PPB	50	ND	ND	ND	ND	ND
Di-n-octyl phthalate	PPB	50	ND	ND	ND	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Semi Volatile Organic Chemicals (SVOCs) for Groundwater
EPA Method 8270
Table 7

Client SampleID:		**NYS Groundwater Standards**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**Field Blank**
Sampling Date:			**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**
Analyte	**Units**	**Limits**					
Fluoranthene	PPB	50	ND	ND	ND	ND	ND
Fluorene	PPB	50	ND	ND	ND	ND	ND
Hexachlorobenzene	PPB	0.04	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	0.5	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	5	ND	ND	ND	ND	ND
Hexachloroethane	PPB	5	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	PPB	0.002	ND	ND	ND	ND	ND
Isophorone	PPB	50	ND	ND	ND	ND	ND
Naphthalene	PPB	10	ND	ND	ND	ND	ND
Nitrobenzene	PPB	0.4	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	PPB	NA	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	PPB	NA	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	PPB	50	ND	ND	ND	ND	ND
Parathion	PPB	NA	ND	ND	ND	ND	ND
Pentachlorophenol	PPB	NA	ND	ND	ND	ND	ND
Phenanthrene	PPB	50	ND	ND	ND	ND	ND
Phenol	PPB	NA	ND	ND	ND	ND	ND
Pyrene	PPB	50	ND	ND	ND	ND	ND
Pyridine	PPB	50	ND	ND	ND	ND	ND

Notes:
ND - Not detected
J- Laboratory Estimated Concentration

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Pesticides (Method 8021)
Table 8

Client SampleID:		**NYS Groundwater Standards**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**Field Blank**
Sampling Date:			**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**
Analyte	**Units**	**Limits**					
4,4´-DDD	PPB	0.3	ND	ND	ND	ND	ND
4,4´-DDE	PPB	0.2	ND	ND	ND	ND	ND
4,4´-DDT	PPB	0.2	ND	ND	ND	ND	ND
Aldrin	PPB	0.001	ND	ND	ND	ND	ND
alpha-BHC	PPB	0.01	ND	ND	ND	ND	ND
beta-BHC	PPB	0.04	ND	ND	ND	ND	ND
Chlordane	PPB	0.05	ND	ND	ND	ND	ND
Chlorobenzilate	PPB	NA	ND	ND	ND	ND	ND
DBCP	PPB	NA	ND	ND	ND	ND	ND
delta-BHC	PPB	0.04	ND	ND	ND	ND	ND
Dieldrin	PPB	0.004	ND	ND	ND	ND	ND
Endosulfan I	PPB	0.009	ND	ND	ND	ND	ND
Endosulfan II	PPB	0.009	ND	ND	ND	ND	ND
Endosulfan sulfate	PPB	0.009	ND	ND	ND	ND	ND
Endrin	PPB	ND	ND	ND	ND	ND	ND
Endrin aldehyde	PPB	5	ND	ND	ND	ND	ND
Endrin ketone	PPB	5	ND	ND	ND	ND	ND
gamma-BHC	PPB	0.05	ND	ND	ND	ND	ND
Heptachlor	PPB	0.04	ND	0.027J	ND	ND	ND
Heptachlor epoxide	PPB	0.03	ND	ND	ND	ND	ND
Hexachlorobenzene	PPB	0.04	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	5	ND	ND	ND	ND	ND
Methoxychlor	PPB	35	ND	ND	ND	ND	ND
Toxaphene	PPB	0.06	ND	ND	ND	ND	ND

Notes:
ND - Not detected
J- Laboratory Estimated Concentration

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

PCBs as AROCLORS- METHOD 8082
Table 9

Client SampleID:		**NYS Groundwater Standards**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**Field Blank**
Sampling Date:			**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**
Analyte	**Units**	**Limits**					
Aroclor 1016	PPB	0.09	ND	ND	ND	ND	ND
Aroclor 1221	PPB	0.09	ND	ND	ND	ND	ND
Aroclor 1232	PPB	0.09	ND	ND	ND	ND	ND
Aroclor 1242	PPB	0.09	ND	ND	ND	ND	ND
Aroclor 1248	PPB	0.09	ND	ND	ND	ND	ND
Aroclor 1254	PPB	0.09	ND	ND	ND	ND	ND
Aroclor 1260	PPB	0.09	ND	ND	ND	ND	ND
Aroclor 1262	PPB	0.09	ND	ND	ND	ND	ND
Aroclor 1268	PPB	0.09	ND	ND	ND	ND	ND

Notes:
ND - Not detected
J- Laboratory Estimated Concentration

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

TAL Metals Analysis- Groundwater
Table 10

Client SampleID:		**NYS Groundwater Standards**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-3**	**MW-3**	**MW-4**	**MW-4**	**Field Blank**
			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Sampling Date:			**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**	**7/23/2012**
Analyte	**Units**	**Limits**									
Aluminum	PPM	NA	7.62	0.0128J	24.6	0.0104J	2.72	0.00811J	31.4	0.0133J	0.0405
Antimony	PPM	0.003	ND	ND	ND	ND	**0.00907J**	ND	ND	ND	ND
Arsenic	PPM	0.025	ND	ND	ND	ND	ND	ND	0.0102J	ND	ND
Barium	PPM	1	0.256	0.194	0.262	0.182	0.0889	0.0758	0.305	0.183	ND
Beryllium	PPM	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	PPM	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	PPM	NA	119	118	107	106	55.9	59.5	101	124	0.392
Chromium	PPM	0.05	0.0188J	ND	0.0452	ND	0.00793J	ND	**0.0662**	ND	0.0159J
Cobalt	PPM	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	PPM	0.2	0.0214	ND	0.0492	ND	0.0121J	ND	0.0519	ND	ND
Iron	PPM	0.3	**25.6**	**6.84**	**14.6**	**0.769**	**3.47**	**0.699**	**61.3**	**12.8**	0.0897
Lead	PPM	0.025	0.025	ND	**0.0283**	ND	ND	ND	**0.0534**	ND	ND
Magnesium	PPM	35	11.8	10.7	14.4	11.1	10.4	10.7	19.8	18.5	0.0876
Manganese	PPM	0.3	**0.628**	**0.524**	**0.404**	0.277	0.118	0.109	**1.81**	**1.73**	0.0311
Mercury	PPM	0.0007	ND	ND	0.00023	ND	ND	ND	0.00026	ND	ND
Nickel	PPM	0.1	0.0182J	ND	0.0369	ND	0.00559J	ND	0.0515	ND	0.00789
Potassium	PPM	NA	9.38	8.63	8.77	7.18	2.96	3.03	10.4	10.2	0.0943
Selenium	PPM	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	PPM	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	PPM	20	**32.4**	**34**	**45.1**	**45.2**	12.5	13.3	18.5	**21.8**	0.861
Thallium	PPM	0.0005	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	PPM	NA	0.0151J	ND	0.0314	ND	0.00517J	ND	0.0762	ND	ND
Zinc	PPM	2	0.104	0.0354	0.101	0.0382	0.0499	0.0167J	0.114	0.0432	0.0207

Notes:
ND - Not detected
J- Laboratory Estimated Concentration

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Vapor Sampling
Table 11

Sample ID	VP-1	VP-1DL	VP-2	VP-2DL	VP-2DL2	VP-3	VP-3DL	VP-3DL2	VP-4	VP-4DL	VP-4DL2
Lab Sample Number	**D3286-01**	**D3286-01DL**	**D3286-02**	**D3286-02DL**	**D3286-02DL2**	**D3286-03**	**D3286-03DL**	**D3286-03DL2**	**D3286-04**	**D3286-04DL**	**D3286-04DL2**
Sampling Date	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**
Matrix	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**
Dilution Factor	**1**	**10**	**2.6**	**26**	**260**	**1**	**10**	**40**	**1**	**10**	**100**
Units	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**
COMPOUND											
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	4.2	3.82D	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	0.54J	ND	ND	ND	ND	0.46J	ND	ND	0.46J	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	14.6	11.3D	64.9	47.3D	ND	26	18.2D	ND	65.9	58.5D	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	4.47	ND	20.3	15.3D	ND	8.21	5.9D	ND	22.5	20.2D	ND
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	37.8	31.3D	84.1	66.8D	ND	**130E**	**109D**	91.6D	15.7	13.6D	ND
2-Butanone	ND	ND	77.3	64.3D	92D	20.5	16.5D	ND	35.4	32.4D	ND
2-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	6.78	ND	25.7	17.9D	ND	11.5	7.87D	ND	34.2	27D	ND
4-Methyl-2-Pentanone	ND	4.1JD	9.92	ND	ND	4.71	ND	ND	7.13	5.33D	ND
Acetone	**207E**	**251**	**1218E**	**4964ED**	**7839D**	**315E**	**667ED**	**691D**	**356E**	**1209ED**	**1610D**
Allyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	6.2	5.43D	24	19.9D	ND	10.3	8.31D	ND	14.5	13.7D	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	1.31	ND	1.71	ND	ND	1	ND	ND	6.38	5.92D	ND
Carbon Tetrachloride	0.38	ND	ND	ND	ND	0.38	ND	ND	0.19J	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.37	ND	ND
Chloroform	0.59	ND	2.78	ND	ND	1.07	ND	ND	0.88	ND	ND

10504-10524 Flatlands Avenue
Brooklyn, New York,
OER Project # 12EHAZ452K

Vapor Sampling
Table 11

Sample ID	VP-1	VP-1DL	VP-2	VP-2DL	VP-2DL2	VP-3	VP-3DL	VP-3DL2	VP-4	VP-4DL	VP-4DL2
Lab Sample Number	**D3286-01**	**D3286-01DL**	**D3286-02**	**D3286-02DL**	**D3286-02DL2**	**D3286-03**	**D3286-03DL**	**D3286-03DL2**	**D3286-04**	**D3286-04DL**	**D3286-04DL2**
Sampling Date	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**	**7/5/2012**
Matrix	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**	**AIR**
Dilution Factor	**1**	**10**	**2.6**	**26**	**260**	**1**	**10**	**40**	**1**	**10**	**100**
Units	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**	**Ug/M3**
COMPOUND											
Chloromethane	0.85	ND	2.85	ND	ND	0.74	ND	ND	0.6	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	4.3	ND	13	12.5D	ND	4.37	4.13D	ND	7.06	6.54D	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.63	ND	1.53	ND	ND	0.89	ND	ND	1.14	ND	ND
Dichlorotetrafluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	11.2	7.82D	42.4	29.4D	ND	20.9	14.3D	ND	49.1	42.6D	ND
Heptane	20.9	16.8D	80.3	68D	ND	32.2	24.2D	19.7D	50.4	45.5D	ND
Hexachloro-1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	13.2	11.6D	47.6	44.8D	ND	17.9	14.4D	15.5D	26	ND	ND
m/p-Xylene	38.3	29.1D	**147**	**107D**	ND	70.8	50.8D	36.5D	**173E**	**155D**	**112D**
Methyl Methacrylate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	2.52	ND	4.4	ND	ND	17.1	13.7D	ND	ND	ND	ND
Methylene Chloride	4.1	8.34D	15.2	30.7D	ND	6.95	10.1D	ND	5.8	10.4D	ND
o-Xylene	11.6	8.69D	46	33.9D	ND	21.8	15.2D	12.2JD	56	49.1D	ND
Styrene	ND	ND	3.19	ND	ND	0.47	ND	ND	0.85	ND	ND
t-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	ND	ND	73.7	66.1D	78.8JD	15.7	12.7D	13.3D	30.9	28.5D	ND
Tetrachloroethene	**124E**	96.3D	**370E**	**275D**	**264D**	**177E**	**132D**	**113D**	**365E**	**333D**	**311D**
Tetrahydrofuran	2.83	6.49D	12.2	9.97D	ND	6.13	4.72D	ND	6.55	5.9D	ND
Toluene	58.4E	47.9D	**228E**	**179D**	**137D**	**102E**	80.6D	67.8D	**174E**	**169D**	**128D**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.97	ND	2.53	ND	ND	1.56	ND	ND	1.67	ND	ND
Trichlorofluoromethane	1.07	ND	1.29J	ND	ND	1.18	ND	ND	0.96	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Qualifiers

U - The compound was not detected at the indicated concentration.
N - Presumptive Evidence of a Compound
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
E (Inorganics) - The reported value is estimated because of the presence of interference.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
NR - Not analyzed

Appendix A
2012-04 J.R. Holzmacher P.E., LLC
Phase I Report

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

105-04 Flatlands Avenue
Brooklyn, NY

Prepared for:
Mr. David Koptiev
Project No.: KoptD 12-05

Prepared by:
J. R. Holzmacher, P.E., LLC
300 Wheeler Road, Suite 402
Hauppauge, New York 11706
Phone: (631) 234-2220
Fax: (631) 234-2221
Site Inspector: Heather Sonnenberg
Project Manager: James M. DeMartinis

April 2012

Table of Contents

1.0 INTRODUCTION 1

1.1 Objectives 1
1.2 Methodology 1
1.3 Limitations 2

2.0 SITE OVERVIEW 4

2.1 Location 4
2.2 Site Description 4
2.3 Adjoining/Surrounding Properties 4

3.0 HISTORICAL INFORMATION 5

3.1 Site Ownership 5
3.2 Sanborn Map Review 5
3.3 Aerial Photograph Review 5
3.4 EDR City_Directory Abstract 6
3.5 NYC Department of Buildings –Historical 6

4.0 ENVIRONMENTAL SETTING 7

4.1 Regional Physiographic Conditions 7
4.1.1 Flood Potential 7
4.1.2 Direction and Distance to Nearest Surface Water 7
4.1.3 Wetland Delineation 7
4.2 Regional Geology 7
4.3 Soil Characteristics 8
4.4 Groundwater Characteristics 9
4.5 Radon Risk Evaluation 9
4.6 Previous Environmental Investigations 9

5.0 SITE INSPECTION OBSERVATIONS 10

5.1 Site Observations and Inquiries 10
5.1.1 Date and Time of Inspection 10
5.1.2 Individuals Conducting the Phase I Site Inspection 10
5.1.3 Site Representatives Present During the Inspection 10
5.1.4 Inspection Process 10
5.1.5 Surface Access and Egress 10
5.1.6 Variations in Surface Vegetation 10
5.1.7 Water Bodies 10
5.1.8 Railroad Spurs and Electrical Transmission Lines 11
5.2 Water Supplies and Wastewater Disposal 11
5.3 Storm Water Disposal 11
5.4 Aboveground Storage Tanks 11
5.5 Underground Storage Tanks (USTs) 11

5.6 Soil Staining/Spills 11
5.7 Hazardous and Non-Hazardous Waste Storage and Disposal 11
5.8 Radioactive Materials 11
5.9 Landfills, Dumps, or Direct Burial Activities 12
5.10 Polychlorinated Biphenyls (PCBs) 12
5.11 Air Emissions 12
5.12 Asbestos 12
5.13 Lead-Based Paint (LBP) 12
5.14 Physical Description of the Building 13

6.0 REGULATORY AGENCY REVIEW 14

6.1 Regulatory Database Search/Review 14
6.1.1 Federal Databases Searched 14
6.1.2 New York State and Local Databases 15
6.1.3 New York City Database 17
6.2 Freedom of Information Act (FOIA) Requests 17

7.0 CONCLUSION 18

FIGURES

No.	Description
1	Location Map
2	Site Plan

APPENDICES

APPENDIX A - Site Photographs

APPENDIX B – FEMA Flood Map- *No Fema Flood Map Is Available For This Site*

APPENDIX C – Wetland Map

APPENDIX D – Resume and Qualifications

APPENDIX E - Freedom of Information Act

APPENDIX F – EDR Map Report with Sanborn Map report and Aerial Photo Decade Package

1.0 INTRODUCTION

1.1 Objectives

David Koptiev retained J. R. Holzmacher P.E., LLC (JRH) to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 105-04 Flatlands Avenue, Kings County, New York - hereafter referred to as the subject property and/or site. The site is located on the south side of Flatlands Avenue between East. 105th Street (west) and East 106th Street (east). The site is currently occupied by Eagle service station.

The purpose for conducting this Phase I ESA was to determine if recognized environmental conditions were present at the subject site. Recognized environmental conditions are those conditions which could adversely affect the environmental integrity of the property.

The Phase I was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E1527-05 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process) as well as NYSDEC DER 10 (May 2010).

1.2 Methodology

The assessment consisted of a visual inspection of the site and surrounding areas, interviews, a review of historical information and aerial photographs, and a review of pertinent local, state, federal, and facility records. JRH was inspected the site on April 17, 2012.

Environmental Data Resources (EDR), of Milford Connecticut, provided the following: a computerized database search of environmental compliance records of sites within an ASTM standard radius of the property. The EDR database report package contains the EDR Radius Map™ with GeoCheck®, the EDR Historical Topographic Map report, a Certified Sanborn® Map report, the Aerial Photo Decade Package, and the EDR-City Directory Abstract

JRH reviewed the environmental database report compiled by EDR as a part of the assessment. The purpose of the review was to identify reported listings for the subject property or other properties in

the site vicinity. Databases reviewed included federal and state lists of known or suspected contaminated sites, lists of known handlers or generators of hazardous waste, lists of known waste disposal facilities, and lists of aboveground and underground storage tanks (ASTs and USTs). JRH's review of the database report has been incorporated into this report.

1.3 Limitations

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections, examination of records in the public domain, and interviews with individuals having information about the site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.

2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.

3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by JRH.

4. JRH's Phase I ESA report presents professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, or regulations, or policies of federal, state, or local government agencies. JRH does not assume

liability for financial or other losses or subsequent damage caused by or related to any use of this document.

5. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such. An evaluation of subsurface soil and groundwater conditions was not performed as part of this investigation. As at any site, the actual condition of the groundwater and subsurface soil cannot be determined without further investigation.

6. This report is based, in part, on information supplied to JRH by third-party sources. While efforts have been made to substantiate this third-party information, JRH cannot attest to the completeness or accuracy of information provided by others.

7. This report was prepared for the exclusive use of David Koptiev. JRH assumes no liability for use of this report by any person or entity other than the client for which it was prepared.

2.0 SITE OVERVIEW

2.1 Location

The site is located on the south side of Flatlands Avenue between East 105th Street (west) and East 106th Street (east). The address is known commonly as 105-04 Flatlands Avenue, Brooklyn, New York 11236. Other addresses for this property as listed on the New York City Department of Buildings (DOB) web site are 901 East 105th Street and 10504-10524 Flatlands Avenue.

Figure 1 shows the site located on the New York State Department of Transportation topographic map. Figure 2 shows the layout of the property.

2.2 Site Description

The subject site is identified as Tax Block 8213, Tax Lot 0037 in the Borough of Brooklyn. The site is occupied by a 1,245 square foot building occupied by a service station. The lot size is 16,200 square feet. The property is accessed from Flatlands Avenue and East 105th Street.

There may have been several two family homes on the property in the 1950's and 1960's. However, a certificate of occupancy (CO) issued in 1970 was for an automotive service station, lubrication, minor repairs, washing, sale of accessories (in building) and office. The CO indicates the service station building was completed in June 1969.

2.3 Adjoining/Surrounding Properties

Directly north of the subject property across Flatlands Avenue is an apartment building complex, to the west across East 105th Street are stores, contiguous to the south are residences, and to the east across East 106th Street are multi-family residences.

3.0 HISTORICAL INFORMATION

3.1 Site Ownership

The site is identified as Tax Block 8213, Tax Lot 0037 and is privately owned.

3.2 Sanborn Map Review

Environmental Data Resources (EDR) was retained to provide historical information of the subject and adjacent properties. 26 Sanborn Maps between 1907 and 2007 were available for review.

SANBORN MAP SEARCH

Year	Historical Use
1907	The site is not developed and consists of ten lots-labeled 10502 through 10524 Flatlands Avenue. The lots extend from East 105th Street to East 106th Street. There is a storage and wagon shed across Flatlands Avenue to the northeast otherwise the area is undeveloped.
1928	The site is undeveloped. There are several dwellings to the north and south. There is a dwelling immediately to the south. The storage and wagon shed is gone.
1950	The property is still undeveloped.
1967 through 1987 maps	The subject property is shown as occupied by a filling station. The concrete block building with metal frame appears to be identical to the current building footprint today. The area south of the site is almost completely developed with residential dwellings. Across Flatlands Avenue to the north are the Breukelen NYC Housing Apartments. There are stores west of the site across East 105th Street.
1989-2007	The property is occupied by a filling station. The lots directly across East 106th Street (east) are now developed as multi-family residences.

3.3 Aerial Photograph Review

Environmental Data Resources (EDR) was retained to provide historical historic aerial photos of the subject and adjacent properties. Aerial photos from the years 1924, 1954, 1966, 1975, 1984, 1994

and 2006 were obtained. A copy of the EDR Aerial Photo Decade Package is included in Appendix F.

The aerial photos fill in gaps when Sanborn Maps are not available; however, their resolution is limited. The aerial photos do not contradict what is indicated on the Sanborn Maps, therefore, differences were recognized. What we can discern is as follows:

- The 1924 photo shows the site as vacant with vegetation.
- The 1954 photo shows a small residential structure on the property closest to Flatlands Avenue.
- The 1966, 1975, 1984, 1994, and 2006 photos show the site as being occupied by the same service station building.

3.4 EDR City Directory Abstract

There are numerous listings for the property:

- Eagle Gas Station-2005 (Hill- Donnelly Corporation).
- Sam Apper Service Station Inc. -1973, 1976, 1985, 1992 and 2005 (Hill- Donnelly Corporation and NYNEX Information Resources).
- Also SAM SUNOCO SVCE STA in 1985 (NYNEX Information Resources).
- Also RZEZAK FRED in 1976 (New York Telephone).

3.5 NYC Department of Buildings –Historical

The one Certificate of occupancy (COs) on the DOB web site was issued in 1970 and indicates:

- Automotive service station, lubrication, minor repairs, washing, sale of accessories (in building) and office.
- Fire Department approval of gasoline tank installation on November 17, 1967.

4.0 ENVIRONMENTAL SETTING

4.1 Regional Physiographic Conditions

The topography of the site and surrounding area was reviewed from the United States Geological Survey 7.5-minute series topographic map for the Brooklyn, New York quadrangle (1966-photorevised 1995). The subject property has an elevation of approximately 10 feet above mean sea level (the National Geodetic Vertical Datum or NGVD). The properties and surrounding areas are relatively flat with the general topographic gradient sloping to the southeast toward Fresh Creek Basin and Jamaica Bay.

4.1.1 Flood Potential

JRH reviewed the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) to determine if the subject property is located within the 100-year or 500-year flood zones. The FIRM for Kings County (Community Panel 360497) shows that the entire property is located in Zone X, which means the entire property, is outside both the 500-year flood and the 100-year flood zones. This indicates that there is minimal risk of flooding at the subject property. A copy of the flood hazard map obtained from the FEMA website is included in Appendix B.

4.1.2 Direction and Distance to Nearest Surface Water

The nearest natural surface water body, Fresh Creek Basin, is located approximately 1500 feet east of the site.

4.1.3 Wetland Delineation

A review of the National Wetlands Inventory Wetlands Mapper indicates that the nearest wetlands are associated with Fresh Creek Basin east of the property. A Wetland Map obtained from U.S. Fish & Wildlife Service website is included in Appendix C.

4.2 Regional Geology

The geologic setting for this area in Brooklyn is well documented and consists of crystalline bedrock

composed of schist and gneiss overlain by layers of unconsolidated deposits. At the subject property, bedrock occurs at an approximate depth of 500 feet below land surface (D.A. Smolensky, H.T. Buxton and P.K. Shernoff, 1989).

Immediately overlying the bedrock is the Raritan Formation, consisting of the Lloyd sand confined by the Raritan Clay Member. The Lloyd sand is an aquifer and consists of discontinuous layers of gravel, sand, sandy and silty clay, and solid clay. The depth to the top of the Lloyd at the site is approximately 400 feet below land surface and the aquifer is approximately 100 feet thick. The Raritan clay occurs at approximately 300 feet below grade. The average thickness of the Raritan clay in the vicinity of the site is 100 feet. The Raritan clay is of low permeability, and effectively hydraulically isolates the Lloyd Aquifer from overlying aquifers. The Raritan clay is solid and silty clay with: few lenses of sand and gravel; abundant lignite and pyrite; and gray, red or white in color. This aquifer and all underlying deposits previously discussed are of Cretaceous age.

Above the Raritan Clay lies the Magothy Formation, a significant aquifer for eastern Long Island. The Magothy consists of layers of fine to coarse sand of moderate to high permeability, with interbedded lenses of silt and clay of low permeability resulting in areas of preferential horizontal flow. Therefore, this aquifer generally becomes more confined with depth. The depth to the top of the Magothy is approximately 50 to 100 feet below land surface and the thickness is estimated to be less than 100 feet thick in the area of the subject property.

The Magothy Aquifer is overlain by the Upper Glacial Aquifer. The Upper Glacial Aquifer is the water table aquifer at this location and is comprised of medium to coarse sand and gravel with occasional thin lenses of fine sand and brown clay. This aquifer extends from the land surface to the top of the Magothy and, therefore, is hydraulically connected to the Magothy Aquifer.

4.3 Soil Characteristics

Soils at the site are classified as Urban Land (Ug) as defined by the United States Department of Agriculture. Urban Land is described as area where at least 85 percent of the land surface is covered

with asphalt, concrete, or other impervious building material. These areas are mostly parking lots, shopping centers, industrial parks, or institutional sites. Most areas are nearly level to gently sloping and range in size from three acres to several hundred acres.

4.4 Groundwater Characteristics

Regional groundwater contour maps (USGS 2001) indicate the depth to groundwater is less than 10 feet below grade. The regional groundwater flow direction is to the southeast. Current groundwater quality beneath the subject property is unknown, but could be established by sampling. There are two monitoring wells located on the site adjacent to the tank pad.

4.5 Radon Risk Evaluation

Radon is a colorless, radioactive; inert gas formed by the decay of radium and may be present in soils and rocks containing granite, shale, phosphate and pitchblende. The EDR report shows the Federal EPA Radon Zone for Kings County is Zone 3-meaning that the indoor average level of radon is less than 2 picocuries per liter (pCi/L).

100 % of the living areas and 88 % of the basements of the 51 total sites tested in Brooklyn were below the Environmental Protection Agency (EPA) radon action level of 4 picocuries per liter (pCi/L), with average indoor levels of 0.750 pCi/L for living areas and 1.370 pCi/L for basements.

4.6 Previous Environmental Investigations

No previous environmental reports for the site are known of.

5.0 SITE INSPECTION OBSERVATIONS

5.1 Site Observations and Inquiries

Observations made during the site inspection are presented below. Photographs in Appendix A represent the conditions of the property on the day of inspection.

5.1.1 Date and Time of Inspection

JRH performed the site inspection on April 17, 2011 beginning at 10 A.M. Weather conditions during the inspection were sunny with a temperature of approximately 70° Fahrenheit.

5.1.2 Individuals Conducting the Phase I Site Inspection

Ms. Sonnenberg is an experienced professional in the field of environmental compliance, Phase I and II environmental site assessments, and related environmental investigations. Resumes and company qualifications are provided as Appendix D.

5.1.3 Site Representatives Present During the Inspection

Service station employees were present but could not provide Ms. Sonnenberg with access to to the interior of building which was locked.

5.1.4 Inspection Process

The site inspection consisted of a walkthrough of the entire property as well as the immediate area. The building garage bays were locked.

5.1.5 Surface Access and Egress

Access to the site is directly from Flatlands Avenue and East 105th Street.

5.1.6 Variations in Surface Vegetation

The subject property contained minor vegetation.

5.1.7 Water Bodies

No water bodies are located on the subject property.

5.1.8 Railroad Spurs and Electrical Transmission Lines

No railroad spurs are provided to the subject property. No high voltage transmission lines are located on the subject property.

5.2 Water Supplies and Wastewater Disposal

The New York City DEP supplies potable water. Sanitary wastewater is discharged to the public sewer system of New York City.

5.3 Storm Water Disposal

Storm water is discharged into the New York City sewer system.

5.4 Aboveground Storage Tanks

There was no above ground storage tanks noted on the property. However, the inside of the building could not be accessed.

5.5 Underground Storage Tanks (USTs)

There were two underground gasoline tanks observed on the property at the time of the site visit. There was one additional vent pipe observed which could be associated with an underground waste oil tank.

5.6 Soil Staining/Spills

There was no soil staining observed on the property.

5.7 Hazardous and Non-Hazardous Waste Storage and Disposal

Ms Sonnenberg was told that there are three floor drains in the building. In general, outside housekeeping practices were observed to be sanitary.

5.8 Radioactive Materials

No radioactive materials were observed on the property at the time of the site visit.

5.9 Landfills, Dumps, or Direct Burial Activities

There were no landfills, dumps, and/or direct burial activities observed on or around the site, based on inspection observations and a review of regulatory records.

5.10 Polychlorinated Biphenyls (PCBs)

The use of PCBs was banned in 1979. The inside of the building was not available for inspection.

5.11 Air Emissions

There was no evident source of air emissions on the property at the time of the site inspection and no information in the EDR report indicating air permits were ever issued for the property.

5.12 Asbestos

Suspected asbestos containing materials (ACM) in the building could not be ascertained during the site inspection. However, if activities in the building (i.e. renovation or demolition) will disturb any suspected asbestos material, then JRH recommends that an asbestos survey be performed to determine if ACM are present prior to the proposed work. If ACM are present then a New York-licensed contractor must be retained to remove the asbestos in accordance with federal and state regulations.

Thermal insulation, surfacing materials, and vinyl/asphalt floor materials installed before 1981 are presumed to contain asbestos. The Occupational Safety and Health Administration (OSHA) asbestos standards (effective October 1995) require owners of commercial or industrial buildings (constructed before 1981) to: identify potential asbestos hazards; keep records about potential asbestos hazards; post signs to warn of asbestos hazards; and communicate information about the hazards.

5.13 Lead-Based Paint (LBP)

Interior paint could not be observed. The use of lead paint was banned in 1978. The lead content of the paint is unknown, but since the interior surfaces are not peeling or chipping, the paint does not appear to present a significant hazard to building occupants. The disposal of lead paint waste resulting from renovation or demolition activities may be subject to federal and state regulations.

5.14 Physical Description of the Building

The site is currently an operating service station with a small office and a three bay garage. The garage doors were locked and conditions inside the building could not be observed. Ms. Sonnenberg was later told that there are three floor drains and two hydraulic lifts present in the building. She was also told that there are no above or underground tanks within the building footprint.

6.0 REGULATORY AGENCY REVIEW

6.1 Regulatory Database Search/Review

Environmental Data Resources (EDR) of Milford, Connecticut provided the following, a computerized database search of environmental compliance records of sites within an ASTM standard radius of the property (Appendix F). A list of the databases searched and the search radius is shown on the summary table below.

6.1.1 Federal Databases Searched

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
USEPA	National Priority List	NPL	1.0 mile
USEPA	Comprehensive Environmental Response, Compensation, and Liability Information System	CERCLIS	0.5 mile
USEPA	Corrective Action Report	CORRACTS	1.0 mile
USEPA	Resource Conservation and Recovery Act Information - Treatment, Storage, and Disposal Facilities	RCRA-TSDF	0.5 mile
USEPA	Resource Conservation and Recovery Act Information – Small/Large Quantity Generators	RCRA-SQG/LQG	0.25 mile
USEPA	Emergency Response Notification System	ERNS	TP
USEPA	Hazardous Materials Information Reporting System	HMIRS	TP
USEPA	Engineering Controls Sites List	US ENG CONTROLS	0.5 mile
USEPA	Sites with Institutional Controls	US INST CONTROL	0.5 mile
USEPA	Department of Defense Sites	DOD	1.0 mile
USEPA	Formerly Used Defense Sites	FUDS	1.0 mile
USEPA	A Listing of Brownfields Sites	US BROWNFIELDS	0.5 mile
USEPA	Superfund (CERCLA) Consent Decrees	CONSENT	1.0 mile
USEPA	Records Of Decision	ROD	1.0 mile
USEPA	Uranium Mill Tailings Sites	UMTRA	0.5 mile
USEPA	Open Dump Inventory	ODI	0.5 mile
USEPA	Toxic Chemical Release Inventory System	TRIS	TP
USEPA	Toxic Substances Control Act	TSCA	TP
USEPA	FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)	FTTS	TP
USEPA	Section 7 Tracking Systems	SSTS	TP
USEPA	Integrated Compliance Information System	ICIS	TP

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
USEPA	PCB Activity Database System	PADS	TP
USEPA	Material Licensing Tracking System	MLTS	TP
USEPA	Mines Master Index File	MINES	0.25 mile
USEPA	Facility Index System/Facility Registry System	FINDS	TP
USEPA	RCRA Administrative Action Tracking System	RAATS	TP

* TP = Target Property

JRH reviewed the database output and determined the property does appear on one Federal database. Sunoco Service Station listed as a RCRA verified non-generator of hazardous waste. The listing is typical of service station repairs and goes back to 2007.

Also in the federal database search, one RCRA Non- Generator (Resource Conservation and Recovery Act Information) site was identified within 250 feet of the subject property. The MTA NYCT –Canarsie Yard LL Line was described as a non-generator meaning they did not generate hazardous waste. There were no environmental violations noted.

Based on the EDR database report, there is no reported evidence in the database search that suggests that this site would be a significant environmental concern to the subject property.

6.1.2 New York State and Local Databases

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
NYSDEC	Hazardous Substance Waste Disposal Site Inventory	HSWDS	0.5 mile
NYSDEC	SHWS Delisted Registry Sites	DEL	1.0 mile
NYSDEC	Solid Waste Facilities/Landfill Sites	SWF/LF	0.5 mile
NYSDEC	Registered Recycling Facility List	SWRCY	0.5 mile
NYSDEC	Registered Waste Tire Storage & Facility List	SWTIRE	0.5 mile
NYSDEC	Spills Information Database	LTANKS	0.5 mile
NYSDEC	Listing of Leaking Storage Tanks	HIST LTANKS	0.5 mile
NYSDEC	Petroleum Bulk Storage (PBS) Database	UST	0.25 mile
NYSDEC	Chemical Bulk Storage Database - Underground/Aboveground Storage Tank	CBS - UST/AST	0.25 mile

Agency	Listing Name or Database Searched	**Abbreviation**	**Search Distance**
NYSDEC	Major Oil Storage Facilities Database - Underground/Aboveground Storage Tank	MOSF UST/AST	0.5 mile
NYSDEC	Historical Petroleum Bulk Storage Database - Underground Storage Tank	HIST UST	0.25 mile
NYSDEC	Historical Petroleum Bulk Storage Database - Aboveground Storage Tank	HIST AST	TP
NYSDEC	Facility and Manifest Data	MANIFEST	0.25 mile
NYSDEC	NYSDEC Spill Database	NY Spills	0.125 mile
NYSDEC	NYSDEC Spill Database (Chemical and Petroleum Spill Incidents)	NY Hist Spills	0.125 mile
NYSDEC	Registry of Engineering Controls	ENG CONTROLS	0.5 mile
NYSDEC	Registry of Institutional Controls	INST CONTROL	0.5 mile
NYSDEC	Voluntary Cleanup Agreements	VCP	0.5 mile
NYSDEC	Registered Drycleaners	DRYCLEANERS	0.25 mile
NYSDEC	Brownfields Site List	BROWNFIELDS	0.5 mile
NYSDEC	State Pollutant Discharge Elimination System	SPDES	TP
NYSDEC	Aerometric Information Retrieval System	AIRS	TP

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

The subject property appears on New York State Petroleum Bulk Storage database. Actually there are two entries. The first entry (NYSDEC PBS # 2-341320) was under 105-24 GAS CORP. The entry indicates that the PBS permit was administratively closed on 11/16/1997. 15 underground storage tanks (14 550s and one 4,000) are listed as “administratively closed”.

The second entry (PBS # 2-601274) is active and is under the name TIDAL REALTY CORPORATION. The site owner is shown as Sam Apper Service Station Inc. Sixteen underground storage tanks are listed, 12 of which (all 550s) are designated as closed-in place. The four active tanks are two 4,000 gallon gasoline tanks, one 550 gallon waste oil tank, and one 550 gallon # 2 fuel oil tank. The 4,000 gallon tanks were installed in 1976 and 1992. The two 550 gallon steel tanks were installed in 1957 (!). It is not known if the fuel oil tank is still used as Ms. Sonnenberg observed natural gas service to the building.

6.1.3 New York City Database

The site is on the New York City E-designation list for Hazardous Materials Phase I and Phase II Testing Protocol. The E-233 designation is associated with CEQR 09DCP052K and 090313ZMK for the Canarsie Rezoning Area.

6.2 Freedom of Information Act (FOIA) Requests

FOIA requests were sent to the United States Environmental Protection Agency (EPA), Region II, the New York State Department of Environmental Conservation (NYSDEC), Region II, the New York City Fire Department, and the New York City Department of Environmental Protection (NYCDEP). Copies of the requests and responses received to date are provided in Appendix E.

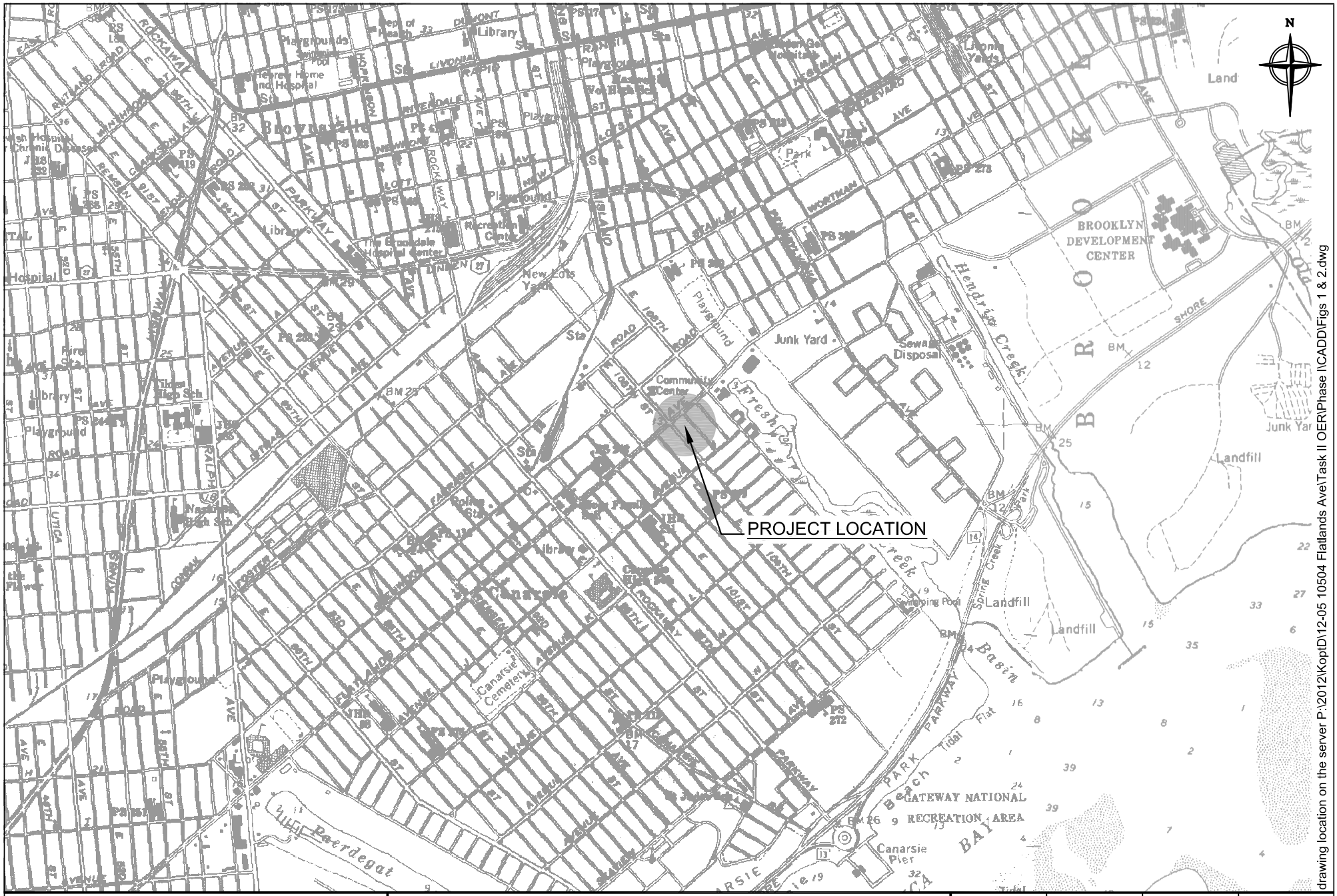
The regulatory agencies usually take four to eight weeks to process FOIA requests. Any responses will be reviewed and forwarded upon receipt.

7.0 CONCLUSION

It was determined from the site inspection, records review and interviews that there are recognized environmental conditions with regard to the subject site. Recognized environmental conditions are those conditions which could adversely affect the environmental integrity of the property. The site is an active service station with underground storage tanks, interior floor drains and hydraulic lifts. Therefore, the potential for soil and groundwater contamination exists.

The E-designation will come into play should the site be renovated, demolished and/or re-developed. The Mayor's Office of Environmental Remediation (OER) is responsible for administering this program and should be contacted. An application form and this Phase I ESA should be submitted to OER to determine the next course of action. It is likely that the OER will require a Phase II ESA. The OER should also be consulted to determine if this site would be eligible for the NYC Brownfield Program which provides significant incentives for site clean up and development.

FIGURES



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase II\CADD\Figs 1 & 2.dwg

PREPARED BY:

J.R. HOLZMACHER P.E., LLC

The Third Generation of Excellence
In Water Supply, Water Resources,
Civil and Environmental Engineering

300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788

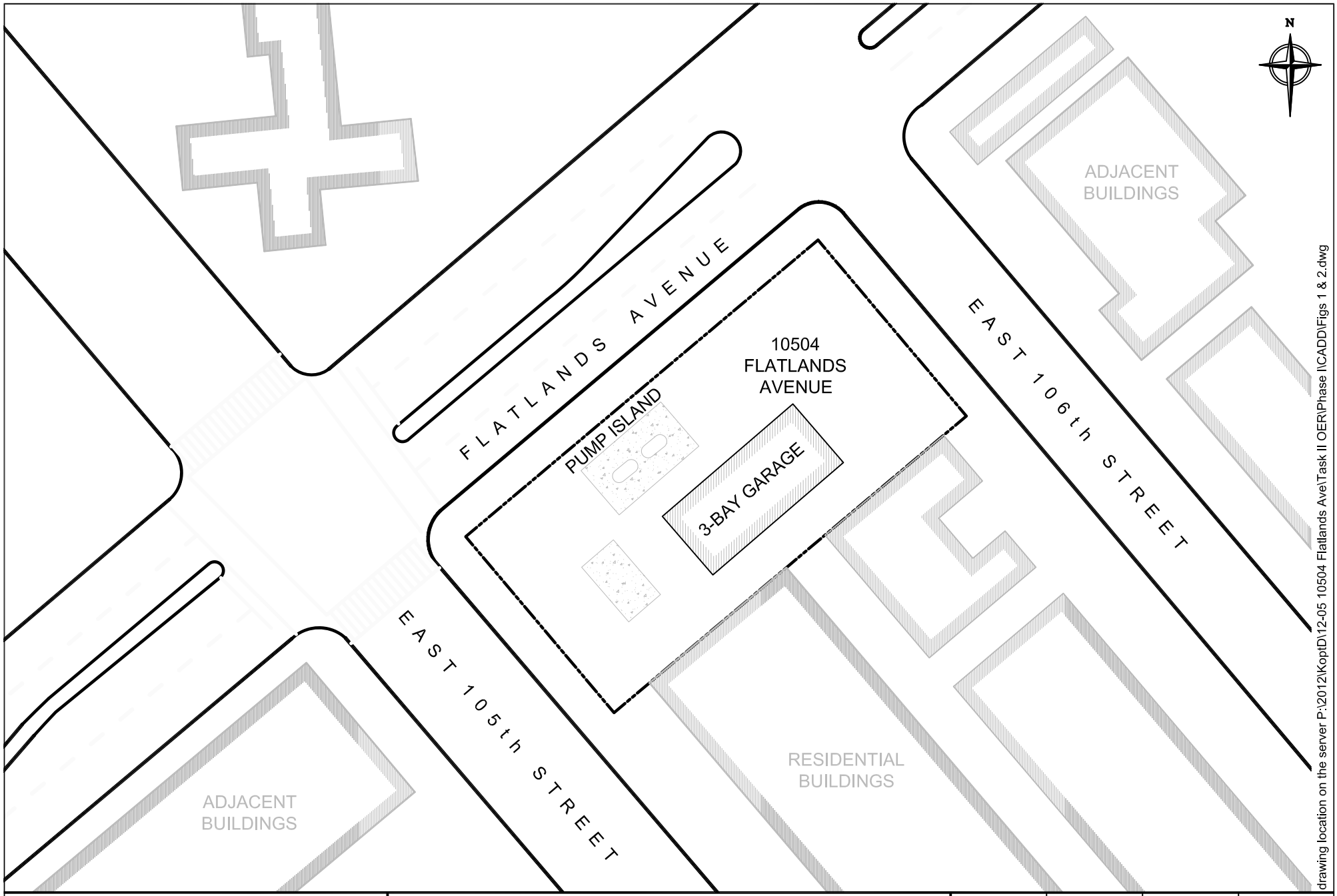
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

LOCATION MAP

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 2000'	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
1			



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase I\CADD\Figs 1 & 2.dwg

PREPARED BY:
J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence
In Water Supply, Water Resources,
Civil and Environmental Engineering
300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

SITE PLAN

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 50'	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
2			

Appendix A
Site Photographs

Photo 1 – Front of service station building with locked doors.

Photo 2 – East side of property showing Flatlands Ave.

Photo 3 – View from site facing west.

Photo – East side of building showing rear portion of the property.

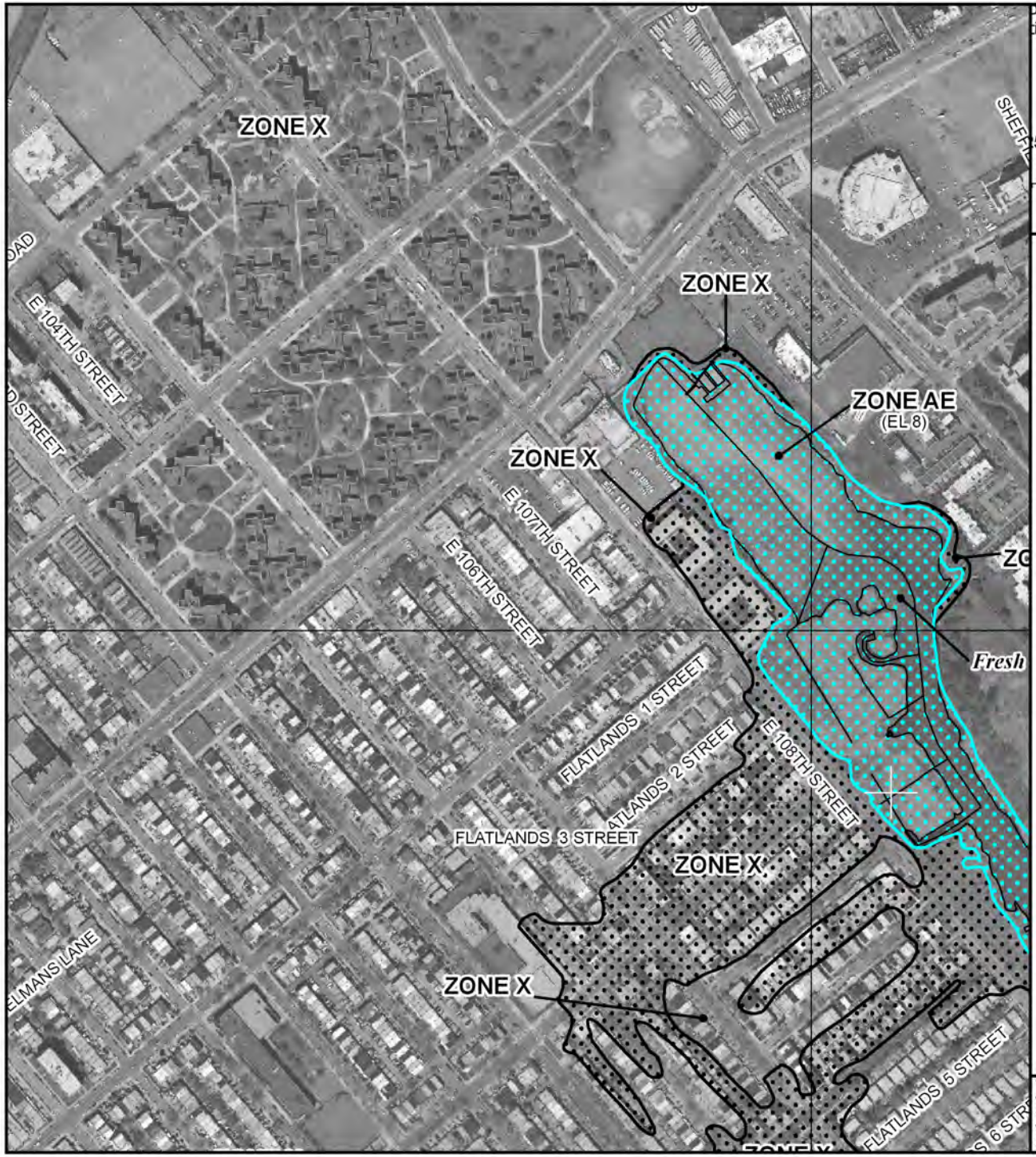
Photo 5 – West side of building showing tank pad.

Photo 6 – Tank pad with monitoring wells.

Photo 7 – Tank Pad/Monitoring Wells

Photo 8 – Vent pipe for waste oil tank(?).

Appendix B
FEMA Flood Hazard Map



pod insurance is available in this community, contact your I
tional Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

50 0 500 1000 FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0219F

FIRM

FLOOD INSURANCE RATE MAP

CITY OF

NEW YORK,
NEW YORK

BRONX, RICHMOND, NEW YORK,
QUEENS, AND KINGS COUNTIES

PANEL 219 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0219	F

- NOTE -

THIS MAP INCLUDES COASTAL BARRIER RESOURCES SYSTEM BOUNDARIES ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT LEGISLATION.

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970219F

MAP REVISED
SEPTEMBER 5, 2007

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

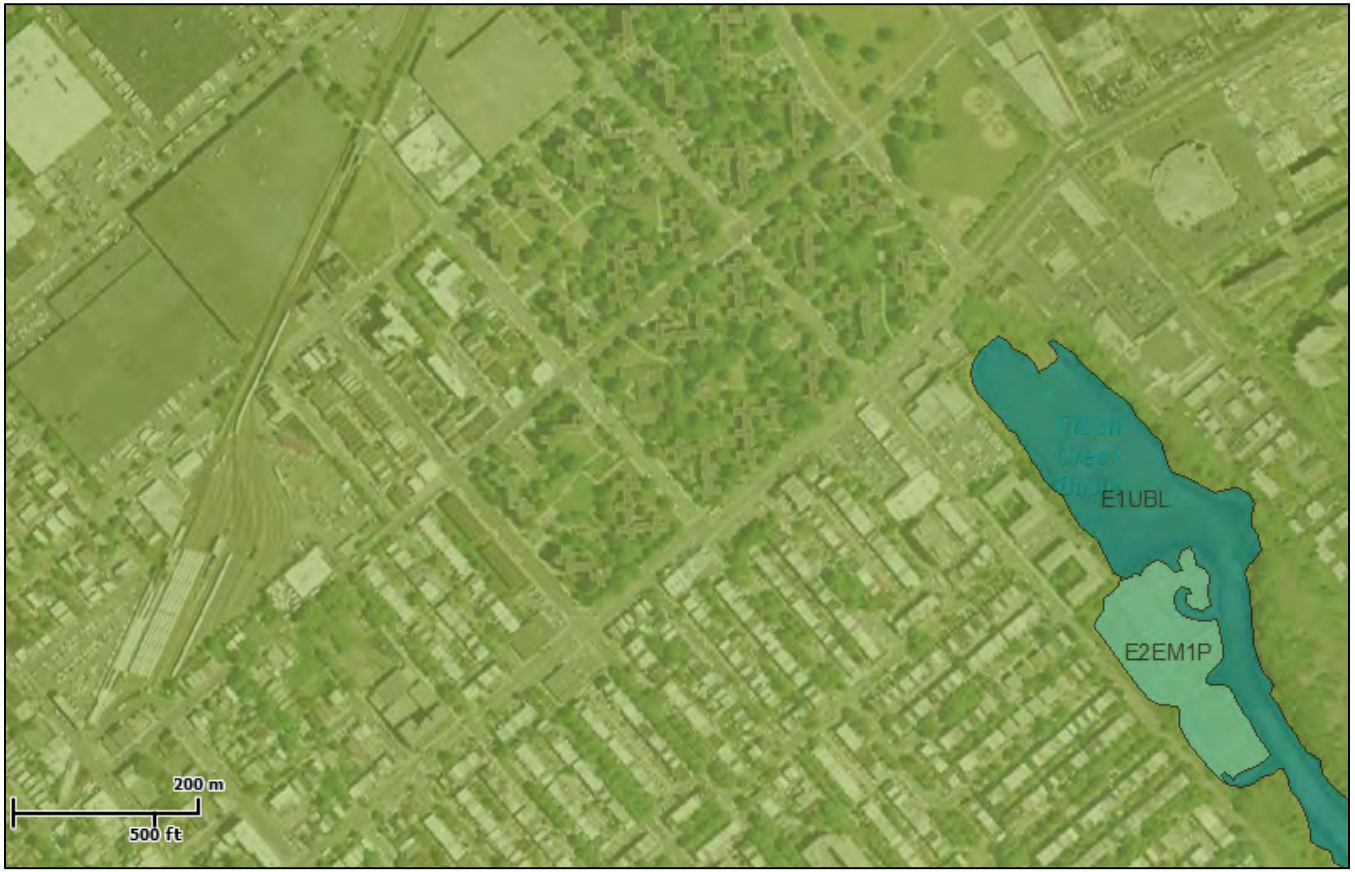
Appendix C
Wetland Map

U.S. Fish and Wildlife Service

National Wetlands Inventory

10504 Flatlands Ave, Brooklyn NY 11236

Mar 27, 2012



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Status

- Digital
- Scan
- Non-Digital
- No Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Appendix D
Resume and Qualifications

James M. DeMartinis, P.G.

Senior Hydrogeologist

Fields of Competence

Soil and groundwater investigations and remediation in urban areas; Pesticide detection in soil and groundwater; Spill File closure; NAPL recovery and monitoring; Property transfers and site development

Experience Summary

Over 25 years experience providing consulting services to industrial and private clients. He has managed groundwater investigations involving Federal and State Superfund sites, RCRA closures, Voluntary Cleanup Agreements, Open Spill Files, Phase I and II Environmental Site Assessments and pesticide contamination.

Credentials

M.A., Earth and Environmental Sciences (Geology), Queens College, CUNY
B.S., Geology, Bates College
Professional Geologist, State of Kentucky
OSHA Health & Safety 40 Hour Training

Selected Projects

Island Trees UFSD, Levittown, New York-
Mr. DeMartinis supervised the investigation and remediation of the former indoor rifle range in the basement of the high school using innovative remedial techniques. The work was conducted under a consent order and under the scrutiny of the NYSDEC, NYSDOH, NCDH and School Board**.**

Residential Fuel Oil Spill Consulting, New York-
Mr. DeMartinis had assisted homeowners who have experienced fuel oil releases from leaky tanks and errant deliveries. He has interfaced with insurance companies/contractors on behalf of the homeowners and worked with the NYSDEC to obtain spill file closures.

Spill File Closures, New York-
Mr. Demartinis has assisted commercial clients with the closure of open spill files by compiling existing data, writing reports, supervising tank closures, soil remediation and groundwater monitoring/remediation. He has also assisted clients in determining who and what was responsible for the contamination and how to recover costs.

Panzar KFC Food, Valley Stream, New York - Mr. DeMartinis conducted Phase I Environmental Assessments at eight fast food restaurants in Brooklyn and Queens at the request of the potential buyer. As many of these sites were located on former gasoline station properties, open spill files were identified. Advice was provided to the client and law firm that led to a successful resolution of environmental issues and the completed transaction.

Major Oil Company, New York City - At over 30 service stations, Mr. DeMartinis supervised test drilling and soil/groundwater sampling in heavy traffic areas. Remedial programs were developed to remove NAPL and dissolved contaminants. File closures and consent agreements were negotiated with NYSDEC.

Allied Aviation, LaGuardia Airport, Flushing, NY – Mr. DeMartinis was the project manager for several projects at this airport fueling facility. His responsibilities include determining the extent and origin of LNAPL and dissolved product. The investigation had been complicated by historical spills/leaks, difficult drilling, heavy traffic, perched groundwater, and tidal fluctuations. The LNAPL at the facility has been removed to the satisfaction of the NYSDEC and Port Authoriy of New York and New Jersey.

City of New York Department of Parks and Recreation – Mr. DeMartinis directed the hydrogeologic studies and installation of irrigation wells at five NYC parks in Manhattan, the Bronx and Staten Island to conserve City water during a drought period. The wells were installed in crystalline bedrock, ground moraine, and glacial outwash.

City of New York Department of Parks and Recreation – Mr. DeMartinis managed the

hydrogeologic portion of the NYC Parks Golf Course Irrigation project. Responsibilities included evaluating the feasibility of installing irrigation wells at 12 locations in the Bronx, Queens, Staten Island, and Brooklyn; the test drilling and installation of wells at selected sites; reviewing water quality data; and attending meetings with the client, contractors, golf course personnel, and other consultants.

Remedial Action, Jewish Home and Hospital Bronx, NY - Mr. DeMartinis is working closely with the client and the NYSDEC to implement an approved Remedial Action Work Plan as part of a Voluntary Cleanup Agreement at a site proposed for an assisted living facility. This plan included the excavation of contaminated soils, remediation oversight, preparation of contract documents, field investigation/samples, and installation/operation of a soil vapor extraction remediation system. These actions led to the closure of an open spill file and site development.

Town of Oyster Bay - Mr. DeMartinis served as Project Manager for the groundwater monitoring program at the Old Bethpage Landfill. The purpose of the program was to acssess the progress of groundwater remediation and determine whether the Termination Criteria set forth in the Consent Decree had been met. Mr. DeMartinis was responsible for the productions of all quarterly and annual reports.

Town of North Hempstead - Mr. DeMartinis managed the upgrade and rehabilitation of an existing methane gas collection system at a Superfund site. He also directed the hydrogeologic investigations which eventually led to a groundwater remediation. Mr. DeMartinis also developed and executed a Community Relations/Citizens Participation Plan, which was accepted by the EPA and NYSDEC, as well as assisting the client in obtaining funding under the State Environmental Quality Bond Act.

Allied Aviation, JFK International Airport, Jamaica NY- Mr. DeMartinis directed the monitoring and remediation program at the Satellite Fuel Farm under the scrutiny of the NYSDEC and Port Authority of New York and New Jersey. The performance of LNAPL recovery wells is monitored on a routine basis and recommendations are made to enhance product recovery.

Oil Terminals, Bronx, NY -At one facility Mr. DeMartinis assisted in the delineation and remediation of petroleum impacts to the subsurface during a property transaction. At another terminal a NYSDEC Consent Order was closed after hydrogeologic investigations indicated that remediation of NAPL was successful.

Brookhaven National Laboratory, Upton, NY - Mr. DeMartinis investigated the source and extent of volatile organic compounds in groundwater beneath the waste management area. He developed a method to analyze core samples on-site for volatile organics and to select optimum monitoring well cluster locations and depths. A remedial program was later designed.

RI/FS, Superfund Site, Delaware - Mr. DeMartinis investigated the source and extent of a chlorinated organic plume. He installed and sampled over 40 wells to map the extent of the plume and DNAPL. Mr. DeMartinis conducted an electrical resistivity survey to determine continuity of an aquitard beneath the plume. He determined three dimensional groundwater flow patterns as part of the remedial feasibility.

RI/FS, Superfund Site, Massachusetts - This site was originally ranked 4th on the National Priorities List. Mr. DeMartinis negotiated, planned, and supervised a subsurface investigation at the 300-acre site including an extensive electromagnetic survey.

TRC Corporation, Harrisburg, PA - Mr. DeMartinis completed the investigation and remediation of a PCB oil spill in a perched aquifier. He designed and supervised the installation of a cement-bentonite slurry wall and perimeter drain to collect and prevent oil movement.

Bayer Corporation, Long Island - Mr. DeMartinis is the Project Manager for a groundwater monitoring study of an insecticide used on turf (homeowner and golf course), potatoes and vegetables. The NYSDEC required this study as a condition of registration. Mr. DeMartinis is working very closely with the NYSDEC, Suffolk County Department of Health Services, and the Cornell Cooperative Extension.

Acetochlor Registration Partnership, Midwestern United States - Mr. DeMartinis is the third party investigator for reported detections of agricultural chemicals in groundwater. Mr. DeMartinis visits well sites with reported detects, investigates and determines the likely cause. He works directly with individual state agencies and the USEPA Office of Pesticide Programs.

Monsanto, Various Sites - Mr. DeMartinis investigates pesticide detections in groundwater to determine their source. He recommends strategies to eliminate future detections.

Novartis, Groundwater Monitoring Program - Mr. DeMartinis directed this large scale groundwater monitoring program for a corn, peanut and potato herbicide. The study covered chemical use in GA, WI, IA and IL.

Novartis, California - Mr. DeMartinis investigated herbicide in soil and groundwater in four counties and reported his findings. He testified at public hearings pursuant to the California Food and Agricultural Code.

Agrichemical Company - Mr. DeMartinis evaluated hydrogeologic characteristics of approximately 500 counties in 34 states to identify areas vulnerable to groundwater contamination. Mr. DeMartinis surveyed agencies in agricultural states to obtain information on pesticide monitoring programs and data. He performed detailed analyses of the soil and geology in counties where pesticides were detected in groundwater to assess the reasonableness of the findings. Mr. DeMartinis also participated in the client's presentations to the USEPA and the USEPA Science Advisory Panel.

Publications:

"Acetochlor Ground Water Monitoring Program Investigation of Ground Water Detections." DeMartinis, JM, Hoogheem, TJ, Gustafson, JM, Hendley, P., Simmons, ND, and Durham, RB, Society of Environmental Toxicology and Chemistry, Washington, DC, November 1996, pp.17-21

"Natural and Man-Made Modes of Pesticide Entry in Agronomic Areas. DeMartinis, JM, and Cooper, SC. Mechanisms of Pesticide Movement into Ground Water. Lewis Publishers, Boca Raton, FL, 1994. (Honeycutt and Schabacker, editors).

"Agrochemical Ground-Water Studies", in Good Laboratory Practice Standards, American Chemical Society. Washington, DC, 1992

"Identification of Direct-Entry Pathways by Which Agricultural Chemicals Enter Ground Water." DeMartinis, JM, and Royce, KL, NWWA Conference on Agricultural Chemicals, February, 1990, pp.51-56

"Application of Good Laboratory Practice Standards to Agrichemical Ground-Water Field Studies." Cooper, SC, DeMartinis, JM, Society of Quality Assurance, Annual Meeting, Orlando, Florida, 1990, pp. C-120

"Hydrogeologic Site Assessment vs. Reality at One Chemical Plant," Proceedings from the Fourth National Symposium and Exposition on Aquifer Restoration and Ground-Water Monitoring, National Water Well Association, May 1984.

"Sensitivity Analysis for Pesticide Application on a Regional Site", Proceedings from NWWA Conference on Agricultural Impacts on Ground Water, Omaha, Nebraska, August 1986.

"Small-Scale Retrospective Ground-Water Monitoring Studies for Agricultural Chemicals: Study and Site Selection," Ground-Water Monitoring Review, Fall 1989.

Heather V. Sonnenberg

Project Engineer

Fields of Competence

Industrial Engineering including management, compliance and safety, plan review and design; Design and implementation of soil and ground water investigations; Soil exploration, Air emission evaluation, and regulatory compliance; Sub Surface Sanitary Disposal Systems Design; Phase I and Phase II Environmental Site Assessments; and Preparation of Municipal and regulatory applications.

Experience Summary

Prior to joining J.R. Holzmacher, Ms. Sonnenberg was employed as a production manager with an industrial engineering firm. Ms. Sonnenberg assisted in the development of the Modernized Boresight Module prototype produced for Lockheed Martin Corporation, which later resulted in a multi-million dollar contract award for the firm. Experience with both government and private contracts. Additional responsibilities included plan review and design, directing employees in operations, compliance and safety. Developed and initiated procedures to obtain ISO 9001 accreditation. Field Engineering Expertise includes oversight of soil borings, soil classification, controlled inspections, Phase I and II Environmental Site Assessments, site and building inspections, and sanitary and drainage inspections. Additional experience includes sanitary and drainage design, plan review, code review, reporting, inspection of both residential and commercial structures, and communications and submittals to regulatory agencies.

Credentials

B.S. Construction Management Engineering Technology, State University of New York at Farmingdale, 2010.

B.A. Economics, State University of New York at Stony Brook, 1999.

40-Hour HAZWOPER Training
ACI Certified
LI Healthcare Life Safety Association
NYSDEC Sediment & Erosion Control Certified
Habitat for Humanity Volunteer

Environmental Investigations

Under the direction of James M. DeMartinis, P.G., Senior Hydrogeologist, Ms. Sonnenberg has conducted several Phase I and Phase II investigations for properties located throughout Queens, Brooklyn and the Bronx. Many of these properties were previous gas stations, some with open NYSDEC spill files. Investigations include inspection of properties, identifying possible causes and issues affiliated with spills, reviewing previous record data, producing reports and correspondence with the regulatory agencies.

Ms. Sonnenberg works on several E-designated sites locates throughout the boroughs and produces the necessary reports to the NYC OER in order to obtain building permits.

Ms. Sonnenberg is certified as an inspector for the NYSDEC Sediment & Erosion Control and has provided regular weekly inspections which include SUNY Westbury and SUNY Farmingdale.

Inspections and Design

Under the direction of the lead Engineer, Ms. Sonnenberg took part in the design of site work, interior building design and is currently providing inspections for an Ambulatory Center.

Inspector of several sanitary designs and field inspections for large commercial sanitary systems.

Provided plan reviews on behalf of municipalities and owners to ensure proper site design.

Boring exploration field oversight at several locations. Provided soil classification and bearing capacities for proposed site development and assisted in preparation of geotechnical engineering reports.

Appendix E
Freedom of Information Act

Patty Zalak

From: "Patty Zalak" <patty@holzmacher.com>
Date: Tuesday, March 27, 2012 2:15 PM
To: "DEC Foil Request" <foil@gw.dec.state.ny.us>
Subject: Foil Request-10504 Flatlands Ave,Brooklyn, NY 11236

Dear Sir or Madam,

J. R. Holzmacher P.E., LLC (JRH) has been retained to prepare a Phase I Environmental Site Assessment for the properties located at 10504 Flatlands Ave,Brooklyn, NY 11236 (Block & Lot 08213-0037).

We are requesting available copies of environmental files, records, and memoranda concerning the facility. This information should include: 1) past and present underground storage tank registration (s); 2) reported spills or releases of hazardous substances; 3) generation, storage, treatment, or disposal of hazardous substances; 4) past or present groundwater, surface water, and soil investigations; 5) environmental permits/violations. We will gladly pay copying costs. Please advise if this request can be accommodated in an expedient manner.

We would like to schedule an appointment to copy the file/records if this is not possible.

Feel free to call with any questions or if additional information is needed.

Regards,

Patricia L. Zalak
J.R. Holzmacher P.E., LLC
Consulting Engineers
Tele: 631-234-2220 Ext. 100
Fax: 631-234-2221

Patty Zalak

From: "Foil r2foil" <r2foil@gw.dec.state.ny.us>
Date: Tuesday, April 03, 2012 1:22 PM
To: <patty@holzmacher.com>
Subject: R2-12-703-Zalak-Acknowledgment&website Search Advise.docx

April 03, 2012

FOIL: R2-12-703

Patricia L Zalak/J.R. Holzmacher P.E., LLC
631-234-2220 Ext 100
F 631-234-2221
patty@holzmacher.com

Re: 10504 Flatlands Ave in Brooklyn

Dear Ms. Zalak:

We are in receipt of your Foil request for the above referenced site. The identification Number(s) assigned is: R2-12-703 .

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

Please email your future FOILs to Region 2 directly to the following email address:
r2foil@gw.dec.state.ny.us

Please expect our response within 20 business days from the date of this letter.

If you have any questions @ your FOIL, please call Gloria Silva/ or Cynthia Whiting/FOIL Secretary at 718-484507, or email me providing the above FOIL # at: r2foil@gw.dec.state.ny.us

Sincerely
yours,

Fawzy I.
Abdelsadek, Ph.D., P.E.

Regional Enforcement Coordinator

Please be advised that in your future submission of FOILs to Region 2,

you should include the Spill(s), or PBS(s) number(s) to expedite your request. This will give you more information @ all records that we may have related to your FOIL(s). So that you will submit FOILs, for those that the additional information/records are needed.

NYSDEC public websites that are listed below:

Please be advised that relevant information responsive to your request may be found at the following Department of Environmental Conservation/Remediation's websites:
The Spills Database link is as follows:
http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=1

HWR/Environmental Remediation Website:
http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

The PBS Database link is as follows:
http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4

Also, you can search for Permits issued by NYSDEC by using the Link:
http://www.dec.ny.gov/cfmx/extapps/envapps/

If you need assistance on how to search the above websites, please contact me.

Please email your future FOILs to Region 2 directly to the following email address:
r2foil@gw.dec.state.ny.us

If after your search, additional information/records are needed, please include the spill #(s), or PBS #(s), Permit #(s) and exact street address of the site(s) you are requesting information for, and email your request(s) to Region 2. Please note that Region 2 policy is to submit a FOIL request for a maximum of two (2) sites/FOIL. If you didn't provide the results (i.e. spills/PBS #s) of your websites search within 10 days, your FOIL will be closed

You may resubmit your FOIL again providing the above requested information.

Thank you for your FOIL request. If you have any questions, please call Gloria Silva/FOIL Secretary at (718) 482-4507, or email me providing the above FOIL # at: r2foil@gw.dec.state.ny.us.

Sincerely yours,

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

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator & FOIL Coordinator
New York State Department of Environmental Conservation
Region 2
47-40 21St Street
Long Island City, NY 11101
Tel:(718) 482-4507
Fax:(718) 482-6729
r2foil@gw.dec.state.ny.us

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator & FOIL Coordinator
New York State Department of Environmental Conservation
Region 2
47-40 21St Street
Long Island City, NY 11101
Tel:(718) 482-4992
Fax:(718) 482-6729
r2foil@gw.dec.state.ny.us

NYS Department of Environmental Conservation
Office of General Counsel
625 Broadway, Albany, New York 12233-1500
(518) 402-9018 (Fax)

Joe Martens
Commissioner

FOIL Request No. 12-867
4/3/2012

Ms. Patricia Zalak
J.R. Holzmacher P.E., LLC
300 Wheeler Road Suite 40
Hauppauge, NY 11788-

Dear Ms. Zalak:

This is to acknowledge receipt of your Freedom of Information Law request seeking records regarding: **Phase I Environmental Site Assessment: 10504 Flatlands Ave., Brooklyn, NY 11236**

I have referred your request to the following Records Custodian(s) / Freedom of Information Law Coordinator(s) who may possess the records you are requesting:

Dr. Fawzy Abdelsadek - Region 2
2 Hunters Point Plaza 4740 21st Street
Long Island City, NY 11101-5407 (718) 482-4507

You may expect a response to your request by **5/1/2012.**

If I can be of further assistance, please contact me at (518) 402-9522 . Refer to request number **12-867** , if you write or call.

Sincerely,

Ruth L. Earl
Records Access Officer

Bulk Storage Database Search Details

First Site | Previous Site | Next Site | Last Site

Facility Information

Site No.: 2-341320
Status: Administratively Closed
Expiration Date: 11/16/1997
Site Type: PBS
Site Name: 105-24 GAS CORP.
Address: 105-04 FLATLANDS AVENUE 105 FLATLANDS AVENUE
Locality: BROOKLYN
State: NY
Zipcode: 11236
County: KINGS

Owner(s) Information

Owner: SAM APPER SERV STAT INC
105-04 FLATLANDS AVE . BROOKLYN , NY. 11236
Mail Contact: SAM APPER SERV STAT INC
105-04 FLATLANDS AVE . BROOKLYN , NY. 11236

Tank Information

15 Tanks Found

Tank No	Tank Location	Status	Capacity (Gal.)
001	Underground	Administratively Closed	550
002	Underground	Administratively Closed	550
003	Underground	Administratively Closed	550
004	Underground	Administratively Closed	550
005	Underground	Administratively Closed	550
006	Underground	Administratively Closed	550
007	Underground	Administratively Closed	550
008	Underground	Administratively Closed	550
009	Underground	Administratively Closed	550
010	Underground	Administratively Closed	550
011	Underground	Administratively Closed	550
012	Underground	Administratively Closed	550
013	Underground	Administratively Closed	4000

014	Underground	Administratively Closed	550
015	Underground	Administratively Closed	550

Back to Search Results

Refine Current Search

Bulk Storage Database Search Details

Tank Information

First Tank	Previous Tank	Next Tank	Last Tank

Site No: 2-601274
Site Name: TIDAL REALTY CORPORATION
Tank No: 13
Tank Location: Underground
Tank Status: In Service
Tank Install Date: 01/01/1976
Tank Closed Date:
Tank Capacity: 4000 gal.
Product Stored: Diesel
Percentage: 100%
Tank Type: 01 - Steel/Carbon Steel/Iron
Tank Internal Protection: None
Tank External Protection: Retrofitted Sacrificial Anode
Tank Secondary Containment: None
Tank Leak Detection: None
Overfill: High Level Alarm
Spill Prevention: Catch Basin
Dispenser: Suction
Pipe Location: Underground/On-ground
Pipe Type: Steel/Carbon Steel/Iron
Pipe External Protection: Original Sacrificial Anode
Piping Secondary Containment: None
Piping Leak Detection: Exempt Suction Piping
Tank Next Test Due: 02/05/2012
Tank Last Test: 02/05/2007
Tank Test Method: Horner EZY3/EZY3 Locator Plus

Refine Current Search

Back to Facility Info

Bulk Storage Database Search Details

Tank Information

First Tank	Previous Tank	Next Tank	Last Tank

Site No: 2-601274
Site Name: TIDAL REALTY CORPORATION
Tank No: 14
Tank Location: Underground
Tank Status: In Service
Tank Install Date: 12/01/1992
Tank Closed Date:
Tank Capacity: 4000 gal.
Product Stored: Gasoline
Percentage: 100%
Tank Type: 01 - Steel/Carbon Steel/Iron
Tank Internal Protection: None
Tank External Protection: Original Sacrificial Anode
Tank Secondary Containment: Double-Walled (Underground)
Tank Leak Detection: Interstitial - Electronic Monitoring
Overfill: High Level Alarm
Spill Prevention: Catch Basin
Dispenser: Suction
Pipe Location: Underground/On-ground
Pipe Type: Steel/Carbon Steel/Iron
Pipe External Protection: Original Sacrificial Anode
Piping Secondary Containment: None
Piping Leak Detection: Exempt Suction Piping
Tank Next Test Due:
Tank Last Test: 02/05/2007
Tank Test Method: Horner EZY3/EZY3 Locator Plus

Refine Current Search

Back to Facility Info

Bulk Storage Database Search Details

Tank Information

First Tank	Previous Tank	Next Tank	Last Tank

Site No: 2-601274
Site Name: TIDAL REALTY CORPORATION
Tank No: 15
Tank Location: Underground
Tank Status: In Service
Tank Install Date: 11/01/1957
Tank Closed Date:
Tank Capacity: 550 gal.
Product Stored: Waste Oil/Used Oil
Percentage: 100%
Tank Type: 01 - Steel/Carbon Steel/Iron
Tank Internal Protection: None
Tank External Protection: None
Tank Secondary Containment: None
Tank Leak Detection: None
Overfill: None
Spill Prevention: Catch Basin
Dispenser: Suction
Pipe Location: Underground/On-ground
Pipe Type: Steel/Carbon Steel/Iron
Pipe External Protection: None
Piping Secondary Containment: None
Piping Leak Detection: None
Tank Next Test Due:
Tank Last Test: 09/30/2010
Tank Test Method: Horner EZY3/EZY3 Locator Plus

Refine Current Search

Back to Facility Info

Bulk Storage Database Search Details

Tank Information

First Tank	Previous Tank	Next Tank	Last Tank

Site No: 2-601274
Site Name: TIDAL REALTY CORPORATION
Tank No: 16
Tank Location: Underground
Tank Status: In Service
Tank Install Date: 11/01/1957
Tank Closed Date:
Tank Capacity: 550 gal.
Product Stored: #2 Fuel Oil
Percentage: 100%
Tank Type: 01 - Steel/Carbon Steel/Iron
Tank Internal Protection: None
Tank External Protection: None
Tank Secondary Containment: None
Tank Leak Detection: None
Overfill: None
Spill Prevention: Catch Basin
Dispenser: Suction
Pipe Location: No Piping
Pipe Type: No Piping
Pipe External Protection: None
Piping Secondary Containment: None
Piping Leak Detection: Exempt Suction Piping
Tank Next Test Due:
Tank Last Test: 09/20/2010
Tank Test Method: Horner EZY3/EZY3 Locator Plus

Refine Current Search

Back to Facility Info

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 – New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Either send the completed application to the Records Access Officer at NYC DEP, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

PART I. APPLICATION – Check type of record(s) requested:

- ☐ Bid/ Procurement (ACCO)
- ☒ Asbestos (BEC)
- ☒ Hazardous materials emergency response (BEC)
- ☐ Right To Know (BEC)
- ☒ Air permits/complaints/ inspections (BEC)
- ☐ Noise complaints/ inspections (BEC)
- ☒ Environmental Review/SEQRA (BEPA)
- ☐ Industrial Pretreatment/ sewer discharge violations (BWT)
- ☐ Water main/line repair/construction (BWSO)
- ☐ Sewer main/line repair/construction (BWSO)
- ☐ Water Quality (BWS/WQ)
- ☐ Watershed/ reservoir operations (BWS)
- ☐ Watershed area incident reports (DEP PD)
- ☐ Water bill accounts/ metering (BCS)
- ☐ Personnel records (HRM)
- ☐ Wastewater Treatment Plant operations (BWT)
- ☐ _____

I hereby apply to inspect or receive copies of the following records (use additional sheets as needed and attach):

1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3)generation, storage, treatment, disposal of hazardous substances;4)past or present groundwater, surface water, and soil investigations; 5)environmental permits/violations

Location: 10504 Flatlands Ave, Brooklyn, NY 11236

Time frame/date of records: _____

Name: Patricia Zalak Phone: 631-234-2220 E-Mail: patty@holzmacher.com

Firm: J.R. Holzmacher P.E., LLC

Address: 300 Wheeler Rd, suite 402 City Hauppauge State NY Zip Code 11788

Signature: P R Zalak. Date: 3/27/2012

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

☐ **APPROVED** ☐ **APPROVED IN PART - - To arrange for access to the records, please contact:**

_____ _____ _____

(Department Representative) (Bureau) (Phone No.)

Number of Pages: _____ x$.25 per page = Cost: _____

☐ **DENIED** ☐ **DENIED IN PART - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.**

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other) _____

Brief Description of records not subject to disclosure _____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ **UNAVAILABLE** - - for reason(s) checked:

☐Not described in sufficient detail ☐ Not maintained by this Department

☐After search, no records responsive to request located

☐(Other)_____

_____

LOG NO.:_____

(Department Representative) **(Bureau)** **(Date)**

☐☐ Fee Waived ☐☐ Check/M.O. received ☐☐ Check/M.O. requested DOC# 050901

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1480
CONNECTION TEL	17185956543
CONNECTION ID	
ST. TIME	03/27 13:18
USAGE T	00'29
PGS. SENT	2
RESULT	OK

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 – New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Either send the completed application to the Records Access Officer at NYC DEP, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

PART I. APPLICATION – Check type of record(s) requested:

- ☐ Bid/ Procurement (ACCO)
- ☒ Asbestos (BEC)
- ☒ Hazardous materials emergency response (BEC)
- ☐ Right To Know (BEC)
- ☒ Air permits/complaints/ inspections (BEC)
- ☐ Noise complaints/ inspections (BEC)
- ☒ Environmental Review/SEQRA (BEPA)
- ☐ Industrial Pretreatment/ sewer discharge violations (BWT)
- ☐ Water main/line repair/construction (BWSO)
- ☐ Sewer main/line repair/construction (BWSO)
- ☐ Water Quality (BWS/WQ)
- ☐ Watershed/ reservoir operations (BWS)
- ☐ Watershed area incident reports (DEP PD)
- ☐ Water bill accounts/ metering (BCS)
- ☐ Personnel records (HRM)
- ☐ Wastewater Treatment Plant operations (BWT)
- ☐ _____

I hereby apply to inspect or receive copies of the following records (use additional sheets as needed and attach):

1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3)generation, storage, treatment, disposal of hazardous substances;4)past or present groundwater, surface water, and soil investigations; 5)environmental permits/violations

Location: 10504 Flatlands Ave, Brooklyn, NY 11236

Time frame/date of records: _____

Name: Patricia Zalak Phone: 631-234-2220 E-Mail: patty@holzmacher.com

Firm: J.R. Holzmacher P.E., LLC

Address: 300 Wheeler Rd, suite 402 City Hauppauge State NY Zip Code 11788

Signature: [signature] Date: 3/27/2012

PART II. DISPOSITION OF REQUEST (TO BE COMPLETED BY THE DEPARTMENT)

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

John Rousakis
General Counsel
Bureau of Legal Affairs

Records Access Officer

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-3448
F: (718) 595-6543

March 30, 2012

Ms. Patricia Zalak
J.R. Holzmacher P.E., LLC
300 Wheeler Road, Suite 402
Hauppauge, NY 11788

Dear Ms. Zalak:

Re: 10504 Flatlands Avenue, Brooklyn

We hereby acknowledge receipt of your **Freedom of Information Law** request dated March 27, 2012.

Your request is important to us and will be handled as expeditiously as possible. You are advised, however, that because of the large increase in the volume of such requests your response may be delayed.

If you have any questions, please call Brenda Farren, Records Access Officer, at (718) 595-3448. Please refer to the ***FOIL log number(s)*** listed below when calling.

Sincerely,

Brenda Farren

Brenda Farren
FOIL Access Officer

FOIL log #(s) 80297, 80298, 80299, 80300

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 – New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Either send the completed application to the Records Access Officer at NYC DEP, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

PART I. APPLICATION – Check type of record(s) requested:

- ☐ Bid/ Procurement (ACCO)
- ☒ Asbestos (BEC)
- ☒ Hazardous materials emergency response (BEC)
- ☐ Right To Know (BEC)
- ☒ Air permits/complaints/ inspections (BEC)
- ☐ Noise complaints/ inspections (BEC)
- ☒ Environmental Review/SEQRA (BEPA)
- ☐ Industrial Pretreatment/ sewer discharge violations (BWT)
- ☐ Water main/line repair/construction (BWSO)
- ☐ Sewer main/line repair/construction (BWSO)
- ☐ Water Quality (BWS/WQ)
- ☐ Watershed/ reservoir operations (BWS)
- ☐ Watershed area incident reports (DEP PD)
- ☐ Water bill accounts/ metering (BCS)
- ☐ Personnel records (HRM)
- ☐ Wastewater Treatment Plant operations (BWT)
- ☐ _____

I hereby apply to inspect or receive copies of the following records (use additional sheets as needed and attach):

1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3)generation, storage, treatment, disposal of hazardous substances;4)past or present groundwater, surface water, and soil investigations; 6)environmental permits/violations

Location: 10504 Flatlands Ave, Brooklyn, NY 11236

Time frame/date of records: _____

Name: Patricia Zalak Phone: 631-234-2220 E-Mail: patty@holzmacher.com

Firm: J.R. Holzmacher P.E., LLC

Address: 300 Wheeler Rd, suite 402 City Hauppauge State NY Zip Code 11788

Signature: P B Zalak Date: 3/27/2012

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

☐ APPROVED ☐ APPROVED IN PART - - To arrange for access to the records, please contact:

_____ (Department Representative) _____ (Bureau) _____ (Phone No.)

Number of Pages: _____ x$.25 per page = Cost: _____

☐ DENIED ☐ DENIED IN PART - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other) _____

Brief Description of records not subject to disclosure _____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

LOG # 80299

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza
Deputy Commissioner
Bureau of Wastewater Treatment
vsapienza@dep.nyc.gov

96-05 Horace Harding Expressway
Corona, NY 11368
T: (718) 595-4906
F: (718) 595-6950

Date: 4/10/12

Re: Freedom of Information Law Request (FOIL) # 80299

Dear Sir or Madam:

I am writing in response to your FOIL request (see attached). This response specifically addresses only those aspects of your request related to the discharge of wastewater or other materials to a New York City public sewer. As this letter only pertains to records in the custody of the Division of Pollution Control and Monitoring, if your request was also directed to other divisions within the Bureau of Wastewater Treatment or to other bureaus within the Department of Environmental Protection, then you will receive a separate response from those divisions or bureaus.

Concerning your request, the **Division of Pollution Control and Monitoring**:

[ ] cannot identify the requested location because _____.

[X] after search, has not identified any records responsive to your request.

[ ] has identified records responsive to your request. Please telephone me at (718) 595-4756 to arrange for an appointment to review the information.

[ ] other _____

_____

_____

Sincerely,

Vitaly Weiler
FOIL Liaison
Division of Pollution Control and Monitoring

Environmental Protection

April 3rd, 2012

Carter H. Strickland Jr.
Commissioner

Michael Gilsenan
Assistant Commissioner
Environmental Compliance

Steven A. Camaiore, P. E.
Director
Asbestos Control Program
718-595-4424

59-17 Junction Boulevard
8th Floor
Flushing, NY 11373

Ms. Patricia Zalak
J. R. Holzmacher P.E., LLC
300 Wheeler Road – Suite #402
Hauppauge, New York 11788

Dear Ms. Zalak:

RE: 10504 Flatlands Avenue
Phase 1

In response to your Freedom of Information Law request, dated March 30th, 2012. The Asbestos Control Program searched its files and has no records for the above-mentioned premise (s).

If you have any further questions, please do not hesitate to contact me at (718) 595-3677.

Sincerely,

Pauline Feros for

Josianne Dieudonne

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A CUSTOMER INFORMATION

Please print the required information below.

J.R. Holzmacher P.E., LLC
Name

300 Wheeler Rd, Suite 402
Address

Hauppauge, NY 11788
State Zip Code

631-234-2220
Telephone Number

OFFICE USE ONLY

_____
Cashier / Search No.

PRU Staff
Accepted By/Initials:_____

Searched By:_____

Total Amount:_____

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the NYC Fire Department and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. DO NOT MAIL CASH.

SECTION B FUEL TANK REPORT - FEE $10.00 / PER REPORT

House Number	Street Name	Borough
10504	Flatlands Ave	Brooklyn NY 11236

- [X] **THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS**
- [X] **THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS**
- [ ] **THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS**
- [ ] **THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS**
- [ ] **MOST RECENT TANK / PIPING TEST RESULTS**
- [ ] **HISTORY OF BURIED TANKS LEAKS**

Note: Requests will be responded to within 10 business days.

PR3 (July-08)

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

10504 FLATLANDS AVENUE		BROOKLYN 11236		BIN# 3230594	
EAST 105 STREET	901 - 901			Tax Block	: 8213
FLATLANDS AVENUE	10504 - 10524	Census Tract	: 984	Tax Lot	: 37
		Community Board	: 318	Condo	: NO
		Buildings on Lot	: 1	Vacant	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	EAST 105 STREET, EAST 106 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	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

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: G4-GARAGE/GAS STAT'N

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	7	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	2	
ARA / LAA Jobs	1	
Total Jobs	3	
Actions	44	

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.

BIS Menu | Property Profile

Appendix F
EDR Map Report with
Sanborn Map Report
And Aerial Photo Decade Package

10504 Flatlands Ave,
10504 Flatlands Ave,
Brooklyn, NY 11236

Inquiry Number: 3278623.2s
April 18, 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

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	**ES1**
Overview Map	**2**
Detail Map	**3**
Map Findings Summary	**4**
Map Findings	**7**
Orphan Summary	**171**
Government Records Searched/Data Currency Tracking	**GR-1**

GEOCHECK ADDENDUM

Physical Setting Source Addendum	**A-1**
Physical Setting Source Summary	**A-2**
Physical Setting Source Map	**A-7**
Physical Setting Source Map Findings	**A-8**
Physical Setting Source Records Searched	**A-19**

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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

10504 FLATLANDS AVE,
BROOKLYN, NY 11236

COORDINATES

Latitude (North):	40.6475000 - 40˚ 38' 51.00''
Longitude (West):	73.8946000 - 73˚ 53' 40.56''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	593462.8
UTM Y (Meters):	4500003.5
Elevation:	10 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

Photo Year:	2009
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
SUNOCO SERVICE STATION 105-04 FLATLANDS AVE BROOKLYN, NY 11236	RCRA-NonGen FINDS	NYD000816314
TIDAL REALTY CORPORATION 105-04 FLATLANDS AVENUE BROOKLYN, NY 11236	HIST UST	N/A
TIDAL REALTY CORPORATION 105-04 FLATLANDS AVENUE BROOKLYN, NY 11236	UST HIST UST	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

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
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-LQG ..... RCRA - Large Quantity Generators
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

SHWS ..... Inactive Hazardous Waste Disposal Sites in New York State

EXECUTIVE SUMMARY

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

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

SWF/LF..... Facility Register

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
MOSF UST..... Major Oil Storage Facilities Database
CBS AST..... Chemical Bulk Storage Database
MOSF AST..... Major Oil Storage Facilities 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
VCP..... Voluntary Cleanup Agreements

State and tribal Brownfields sites

ERP..... Environmental Restoration Program Listing
BROWNFIELDS..... Brownfields Site List

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
SWRCY..... Registered Recycling Facility List
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

DEL SHWS ..... Delisted Registry Sites
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

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RADINFO ..... Radiation Information Database
RAATS ..... RCRA Administrative Action Tracking System
HSWDS ..... Hazardous Substance Waste Disposal Site Inventory
UIC ..... Underground Injection Control Wells
NPDES ..... State Pollutant Discharge Elimination System
AIRS ..... Air Emissions Data
INDIAN RESERV ..... Indian Reservations
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER ..... PCB Transformer Registration Database
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
COAL ASH ..... Coal Ash Disposal Site Listing
FINANCIAL ASSURANCE ..... Financial Assurance Information Listing
COAL ASH DOE ..... Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants ..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYCHA - BREUKELEN HOUSES	650 E 108TH ST	N 1/8 - 1/4 (0.250 mi.)	21	113

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 11 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BREUKELEN HOUSES Date Closed: 7/8/1996 Date Closed: 11/3/1995 **Additional key fields are available in the Map Findings section*	***618 EAST 108TH STREET***	***N 1/4 - 1/2 (0.284 mi.)***	***F23***	***116***
SCHOOL Date Closed: 1/21/1996 Date Closed: 12/18/1995	***1001 EAST 100TH ST***	***SSW 1/4 - 1/2 (0.294 mi.)***	***G24***	***136***
HOLY FAMILY CHURCH Date Closed: 6/21/2005	9719 FLATLANDS AVE	SW 1/4 - 1/2 (0.403 mi.)	27	144
VANDALIA HOUSES -NYCHA Date Closed: 7/6/1993	***17 VANDALIA AVENUE***	***ENE 1/4 - 1/2 (0.408 mi.)***	***H29***	***147***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREENPOINT SAVINGS BANK Date Closed: 10/21/2005 Date Closed: 9/27/2005	***1425 ROCKAWAY PARKWAY***	***WSW 1/4 - 1/2 (0.437 mi.)***	***I31***	***152***
PUBLIC SCHOOL 260 - BROOKLYN	***875 WILLIAMS AVENUE***	***N 1/4 - 1/2 (0.449 mi.)***	***J33***	***160***
ADULTS RETARDED CENTER Date Closed: 2/23/2000	***1121 E 96TH ST***	***WSW 1/4 - 1/2 (0.472 mi.)***	***34***	***165***
VACANT PROPERTY Date Closed: 3/7/1997	***484 EAST 101 ST STREET***	***WNW 1/4 - 1/2 (0.490 mi.)***	***35***	***168***

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMBER COURT OF BROOKLYN	650 EAST 104TH STREET	NW 1/8 - 1/4 (0.227 mi.)	D15	98
NURSING HOME Date Closed: 11/16/2004	630 E 104TH ST	NW 1/8 - 1/4 (0.233 mi.)	D16	99
552 W 105TH ST Date Closed: 1/31/1992	***552 W 105TH ST***	***NW 1/4 - 1/2 (0.306 mi.)***	***26***	***141***

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
26TH WARD WATER POLLUTION Date Closed: / /	CONTROL -112-66 FLATLAN	NE 1/8 - 1/4 (0.249 mi.)	E20	111
BREUKELEN Date Closed: 11/03/95	618 E 108TH ST	N 1/4 - 1/2 (0.284 mi.)	F22	114
BREUKELEN HOUSES Date Closed: 07/08/96 Date Closed: 07/08/96 **Additional key fields are available in the Map Findings section*	***618 EAST 108TH STREET***	***N 1/4 - 1/2 (0.284 mi.)***	***F23***	***116***
SCHOOL Date Closed: / /	***1001 EAST 100TH ST***	***SSW 1/4 - 1/2 (0.294 mi.)***	***G24***	***136***
PUBLIC SCHOOL 211 Date Closed: 12/18/95	1001 EAST 100TH ST	SSW 1/4 - 1/2 (0.294 mi.)	G25	140
VANDALIA Date Closed: 07/06/93	17 VANDALIA AVENUE	ENE 1/4 - 1/2 (0.408 mi.)	H28	145
GREEN POINT SAVINGS BANK Date Closed: / /	1425 ROCKAWAY PKWY	WSW 1/4 - 1/2 (0.437 mi.)	I30	151
875 WILLIAMS STREET Date Closed: / /	875 WILLIAMS ST	N 1/4 - 1/2 (0.449 mi.)	J32	158
ADULTS RETARDED CENTER Date Closed: 02/23/00	***1121 E 96TH ST***	***WSW 1/4 - 1/2 (0.472 mi.)***	***34***	***165***
VACANT PROPERTY Date Closed: 03/07/97	***484 EAST 101 ST STREET***	***WNW 1/4 - 1/2 (0.490 mi.)***	***35***	***168***

Lower Elevation	Address	Direction / Distance	Map ID	Page
552 W 105TH ST Date Closed: 01/31/92	***552 W 105TH ST***	***NW 1/4 - 1/2 (0.306 mi.)***	***26***	***141***

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 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CUMBERLAND FARMS #70226	***10804 FLATLANDS AVENUE***	***N NE 1/8 - 1/4 (0.147 mi.)***	***C12***	***73***

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMBER COURT OF BROOKLYN	650 EAST 104TH ST	NW 1/8 - 1/4 (0.226 mi.)	D14	95
RIVER MANOR HEALTH RELATED FAC	***630 EAST 104TH ST***	***NW 1/8 - 1/4 (0.233 mi.)***	***D17***	***101***

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 2 AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RIVER MANOR HEALTH RELATED FAC	***630 EAST 104TH ST***	***NW 1/8 - 1/4 (0.233 mi.)***	***D17***	***101***
PUBLIC SCHOOL 279 - BROOKLYN	1070 EAST 104TH STREET	SSE 1/8 - 1/4 (0.247 mi.)	18	109

ADDITIONAL ENVIRONMENTAL RECORDS

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 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CUMBERLAND FARMS #70226	***10804 FLATLANDS AVENUE***	***N NE 1/8 - 1/4 (0.147 mi.)***	***C12***	***73***

Lower Elevation	Address	Direction / Distance	Map ID	Page
RIVER MANOR HEALTH RELATED FAC	***630 EAST 104TH ST***	***NW 1/8 - 1/4 (0.233 mi.)***	***D17***	***101***

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 2 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	***FLATLANDS AVE/E 106TH S***	***NE 0 - 1/8 (0.046 mi.)***	***7***	***58***
Date Closed: 2/27/2002				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ABANDONED	928 EAST 106TH ST	ESE 0 - 1/8 (0.081 mi.)	8	60
Date Closed: 9/29/2005				

NY Hist Spills: This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). 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 SPILLS database.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY Hist Spills site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	***FLATLANDS AVE/E 106TH S***	***NE 0 - 1/8 (0.046 mi.)***	***7***	***58***

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 3 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - CANARSIE YARD LL LI	***E 105TH ST & FLATLANDS***	***NW 0 - 1/8 (0.008 mi.)***	***A5***	***54***
NYCHA - BREUKELEN	***715 E 108TH ST***	***N 1/8 - 1/4 (0.198 mi.)***	***13***	***93***

Lower Elevation	Address	Direction / Distance	Map ID	Page
DECENT DRY CLEANERS INC	***907 E 107TH ST***	***NE 0 - 1/8 (0.096 mi.)***	***B9***	***61***

EXECUTIVE SUMMARY

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 4 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED EDISON	FLATLANDS AVE & E. 108T	NE 1/8 - 1/4 (0.145 mi.)	C11	72
NYCHA - BREUKELEN	***715 E 108TH ST***	***N 1/8 - 1/4 (0.198 mi.)***	***13***	***93***
US COAST GUARD/NYCDEP FRESH CR	FLATLANDS & WILLIAMS AV	NE 1/8 - 1/4 (0.248 mi.)	E19	111

Lower Elevation	Address	Direction / Distance	Map ID	Page
DECENT DRY CLEANERS INC	***907 E 107TH ST***	***NE 0 - 1/8 (0.096 mi.)***	***B9***	***61***

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.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DECENT DRY CLEANERS	907 EAST 107TH STREET	NE 0 - 1/8 (0.096 mi.)	B10	72

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 2 E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 44,TAXBLOCK 8212	10424 FLATLANDS AVENUE	SW 0 - 1/8 (0.041 mi.)	6	56

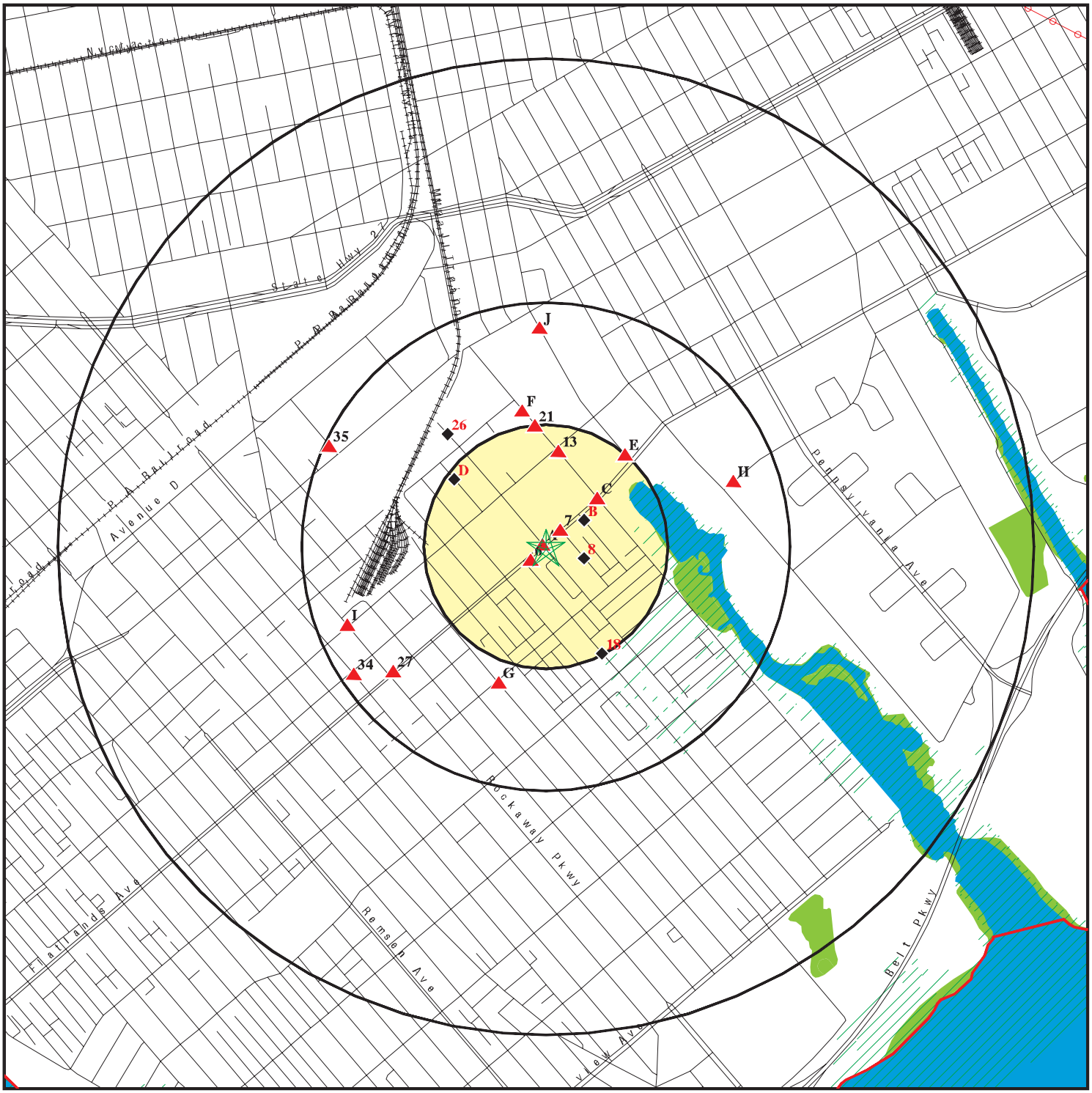
Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 37,TAXBLOCK 8213	10504 FLATLANDS AVENUE	0 - 1/8 (0.000 mi.)	A4	53

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
NYCTA-CPM ENVIRO ENG DIV	RCRA-SQG,MANIFEST,MANIFEST
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON	RCRA-NLR,MANIFEST
MEEKER AVE	FINDS,MANIFEST,HIST
	SPILLS,SPILLS,RCRA-NLR
NYSDOT BIN 2231529	RCRA-LQG
NYCDOT GLENMORE AVE BRIDGE #224386	RCRA-NLR
NYCDOT LIBERTY AVE BRIDGE #2243850	RCRA-NLR
NYCDOT PITKIN AVE BRIDGE #2243870	RCRA-NLR
NYCDOT GLENMORE AVE BRIDGE #224386	FINDS
NYCDOT LIBERTY AVE BRIDGE #2243850	FINDS
NYCDOT PITKIN AVE BRIDGE #2243870	FINDS
NYC DOT-FLATLANDS AVE	FINDS
NYCDOT SUTTER AVE BRIDGE #2243890	FINDS
E 29TH ST & KINGS HWY	SPILLS,HIST SPILLS
BETW/AVE X &	SPILLS
BOX 38486	SPILLS,HIST SPILLS
TO ROADWAY	SPILLS
ROADWAY	SPILLS
KINGS HIGHWAY MOBIL	SPILLS
205842; KINGS HWY	SPILLS

OVERVIEW MAP - 3278623.2s



- 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

0 1/4 1/2 1 Miles

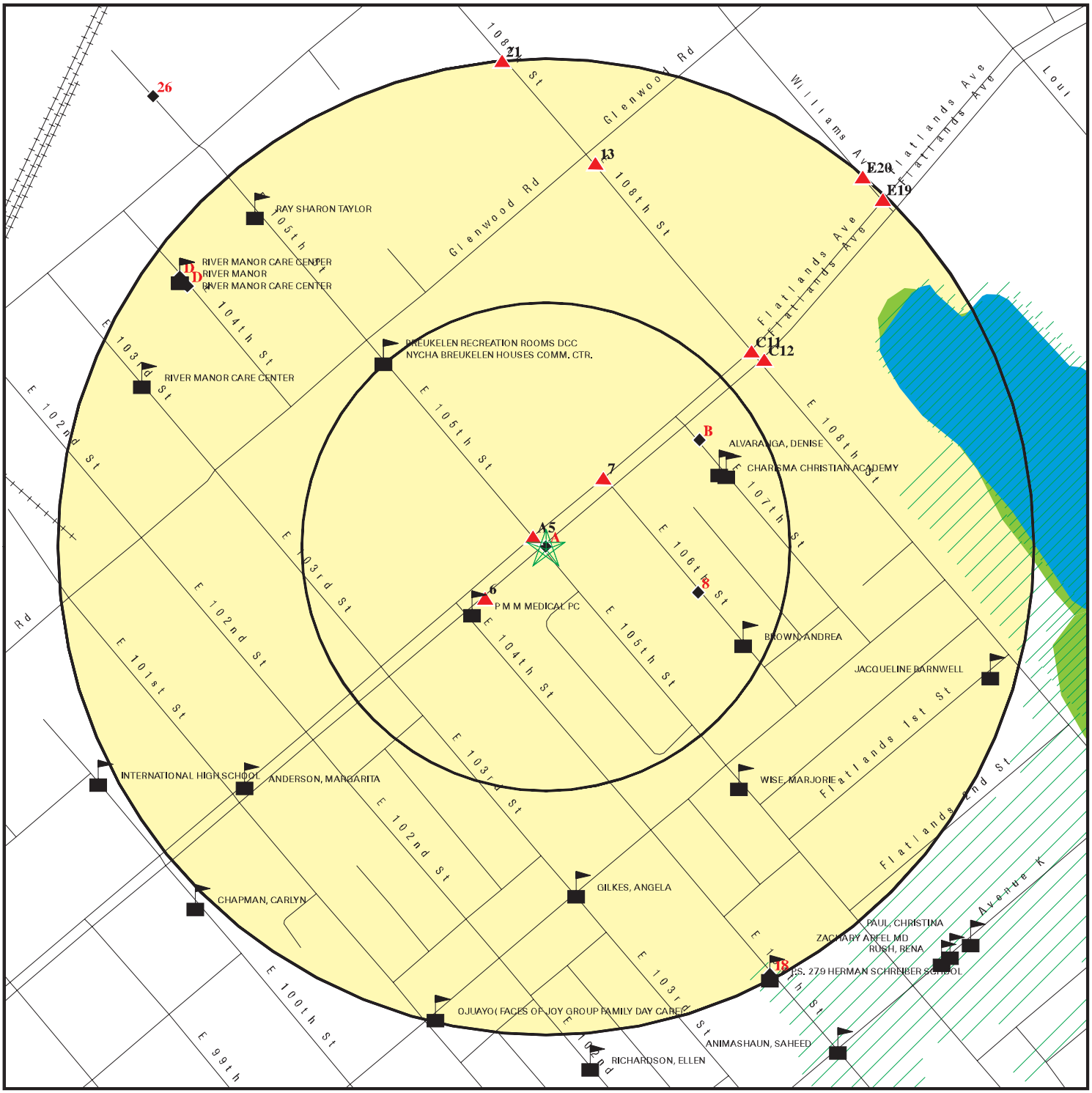
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn NY 11236 LAT/LONG: 40.6475 / 73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY #: 3278623.2s DATE: April 18, 2012 5:02 pm

Copyright © 2012 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

DETAIL MAP - 3278623.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 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: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn NY 11236 LAT/LONG: 40.6475 / 73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY #: 3278623.2s DATE: April 18, 2012 5:04 pm

Copyright © 2012 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

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	0	NR	NR	0
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	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
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	0	0	NR	0
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	0	NR	NR	0
State and tribal leaking storage tank lists								
LTANKS	0.500		0	2	9	NR	NR	11
HIST LTANKS	0.500		0	1	10	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

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
UST	0.250	1	0	3	NR	NR	NR	4
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
AST	0.250		0	2	NR	NR	NR	2
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
ERP	0.500		0	0	0	NR	NR	0
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250	1	0	2	NR	NR	NR	3
HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUCIS	0.500		0	0	0	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		2	NR	NR	NR	NR	2
NY Hist Spills	0.125		1	NR	NR	NR	NR	1
Other Ascertainable Records								
RCRA-NonGen	0.250	1	2	1	NR	NR	NR	4
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		1	3	NR	NR	NR	4
DRYCLEANERS	0.250		1	0	NR	NR	NR	1
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
E DESIGNATION	0.125		2	NR	NR	NR	NR	2
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants	1.000		0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **SUNOCO SERVICE STATION**
105-04 FLATLANDS AVE
BROOKLYN, NY 11236 | **RCRA-NonGen FINDS** | **1000328899**
NYD000816314

Site 1 of 5 in cluster A

Actual: 10 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	SUNOCO SERVICE STATION
Facility address:	105-04 FLATLANDS AVE BROOKLYN, NY 112362908
EPA ID:	NYD000816314
Mailing address:	FLATLANDS AVE BROOKLYN, NY 11236
Contact:	Not reported
Contact address:	FLATLANDS AVE BROOKLYN, NY 11236
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SUN OIL COMPANY OF PENNSYLVANIA
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SUN OIL COMPANY OF PENNSYLVANIA
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

SUNOCO SERVICE STATION (Continued) **1000328899**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SUNOCO SERVICE STATION
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: SUNOCO SERVICE STATION
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: SUNOCO SERVICE STATION
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004331768

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A2 Target Property | **TIDAL REALTY CORPORATION** | **HIST UST** | **U003644516**
105-04 FLATLANDS AVENUE | **N/A**
BROOKLYN, NY 11236

Site 2 of 5 in cluster A

Actual: 10 ft.

HIST UST:
PBS Number: 2-601274
SPDES Number: Not reported
Emergency Contact: ROMI SEGAL
Emergency Telephone: (718) 272-5408
Operator: ROMI SEGAL
Operator Telephone: (718) 927-2132
Owner Name: SAM APPER SERVICE STATION , INC
Owner Address: 105-04 FLATLANDS AVENUE
Owner City,St,Zip: BROOKLYN, NY 11236
Owner Telephone: (718) 649-7258
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: SAM APPER SERVICE STATION , INC
Mailing Address: 105-04 FLATLANDS AVENUE
Mailing Address 2: Not reported
Mailing City,St,Zip: BROOKLYN, NY 11236
Mailing Contact: MR. SAM APPER
Mailing Telephone: (718) 649-7258
Owner Mark: First Owner

TIDAL REALTY CORPORATION (Continued) **U003644516**

Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	105 FLATLANDS AVENUE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/30/1999
Expiration Date:	12/23/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	8550
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	1
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	10
Tank Location:	UNDERGROUND

TIDAL REALTY CORPORATION (Continued) **U003644516**

Tank Status:	Closed-In Place
Install Date:	19930201
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	11
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19930201
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	12
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19930201
Capacity (gals):	550

TIDAL REALTY CORPORATION (Continued) **U003644516**

Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	13
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19760101
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Sacrificial Anode
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Catch Basin
Dispenser:	Suction
Date Tested:	06/01/1999
Next Test Date:	06/01/2004
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	14
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19921201
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None

TIDAL REALTY CORPORATION (Continued) **U003644516**

Tank External:	Sacrificial Anode
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Other
Overfill Prot:	Catch Basin
Dispenser:	Suction
Date Tested:	06/01/1999
Next Test Date:	12/01/2007
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	15
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19571101
Capacity (gals):	550
Product Stored:	USED OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	2
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON

TIDAL REALTY CORPORATION (Continued) **U003644516**

Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	3
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	4
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None

TIDAL REALTY CORPORATION (Continued) **U003644516**

Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	5
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	6
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction

TIDAL REALTY CORPORATION (Continued) **U003644516**

Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	7
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	8
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19930201
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data

TIDAL REALTY CORPORATION (Continued) **U003644516**

Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	9
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19930201
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

A3 Target Property **TIDAL REALTY CORPORATION**
105-04 FLATLANDS AVENUE
BROOKLYN, NY 11236

UST **U003644468**
HIST UST **N/A**

Site 3 of 5 in cluster A

Actual: 10 ft.

UST:

Facility Id:	2-601274
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2012/12/23
UTM X:	586577.57764999999
UTM Y:	4497888.3598499997

Affiliation Records:

Site Id:	23241
Affiliation Type:	Owner
Company Name:	SAM APPER SERVICE STATION, INC
Contact Type:	OPERATOR
Contact Name:	ROMI SEGAL
Address1:	105-04 FLATLANDS AVENUE
Address2:	Not reported
City:	BROOKLYN

TIDAL REALTY CORPORATION (Continued) **U003644468**

State:	NY
Zip Code:	11236
Country Code:	001
Phone:	(718) 649-7258
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/11/2007

Site Id:	23241
Affiliation Type:	Mail Contact
Company Name:	TIDAL REALTY
Contact Type:	Not reported
Contact Name:	ROMI SEGAL
Address1:	105-04 FLATLANDS AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11236
Country Code:	001
Phone:	(718) 927-2132
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/25/2004

Site Id:	23241
Affiliation Type:	On-Site Operator
Company Name:	TIDAL REALTY CORPORATION
Contact Type:	Not reported
Contact Name:	ROMI SEGAL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 927-2132
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/11/2007

Site Id:	23241
Affiliation Type:	Emergency Contact
Company Name:	SAM APPER SERVICE STATION, INC
Contact Type:	Not reported
Contact Name:	ROMI SEGAL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999

TIDAL REALTY CORPORATION (Continued) **U003644468**

Phone:	(718) 288-9113
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/11/2007

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L00 - Piping Leak Detection - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None

TIDAL REALTY CORPORATION (Continued) **U003644468**

I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K01 - Spill Prevention - Catch Basin
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
B07 - Tank External Protection - Retrofitted Sacrificial Anode
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
B02 - Tank External Protection - Original Sacrificial Anode
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

TIDAL REALTY CORPORATION (Continued) **U003644468**

F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None

Tank Info:

Site ID:	16520
Tank Number:	001
Tank ID:	31737
Tank Status:	Administratively Closed
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	002
Tank ID:	31738
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	003
Tank ID:	31739
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	004
Tank ID:	31740
Tank Status:	Administratively Closed
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	005
Tank ID:	31741
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	006
Tank ID:	31742
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	007
Tank ID:	31743
Tank Status:	Administratively Closed
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	008
Tank ID:	31744
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	009
Tank ID:	31745
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	010
Tank ID:	31746
Tank Status:	Administratively Closed
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	011
Tank ID:	31747
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	012
Tank ID:	31748
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	013
Tank ID:	31749
Tank Status:	Administratively Closed
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1976-01-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	01
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	1993-02-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	014
Tank ID:	31750
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	015
Tank ID:	31751
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	1
Tank ID:	45158
Tank Status:	Closed - In Place
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	10
Tank ID:	45167
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	11
Tank ID:	45168
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	12
Tank ID:	45169
Tank Status:	Closed - In Place
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	13
Tank ID:	45170
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1976-01-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	21
Next Test Date:	2012-02-05 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2007-02-05 00:00:00
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2010-08-26 00:00:00
Site ID:	23241
Tank Number:	14
Tank ID:	45171
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1992-12-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2007-02-05 00:00:00
Register:	True
Modified By:	BKFALVEY
Last Modified:	2007-05-16 00:00:00
Site ID:	23241
Tank Number:	15
Tank ID:	53649
Tank Status:	In Service
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1957-11-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2010-09-30 00:00:00
Register:	True
Modified By:	MXAJOKU
Last Modified:	2011-05-05 00:00:00
Site ID:	23241
Tank Number:	16
Tank ID:	65975
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-11-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2010-09-20 00:00:00
Register:	True
Modified By:	MXAJOKU
Last Modified:	2011-05-05 00:00:00
Site ID:	23241
Tank Number:	2
Tank ID:	45159
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	3
Tank ID:	45160
Tank Status:	Closed - In Place
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	4
Tank ID:	45161
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	5
Tank ID:	45162
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	6
Tank ID:	45163
Tank Status:	Closed - In Place
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	7
Tank ID:	45164
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	8
Tank ID:	45165
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	9
Tank ID:	45166
Tank Status:	Closed - In Place
Tank Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Model:	Not reported
Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

Affiliation Records:

Site Id:	16520
Affiliation Type:	Owner
Company Name:	SAM APPER SERV STAT INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	105-04 FLATLANDS AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11236
Country Code:	001
Phone:	(718) 649-7258
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16520
Affiliation Type:	Mail Contact
Company Name:	SAM APPER SERV STAT INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	105-04 FLATLANDS AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11236
Country Code:	001
Phone:	(718) 649-7258
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16520
Affiliation Type:	On-Site Operator
Company Name:	105-24 GAS CORP.
Contact Type:	Not reported
Contact Name:	ROMY SEHGAL
Address1:	Not reported
Address2:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 272-5408
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16520
Affiliation Type:	Emergency Contact
Company Name:	SAM APPER SERV STAT INC
Contact Type:	Not reported
Contact Name:	SAM APPER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 783-7822
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
D00 - Pipe Type - No Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None

TIDAL REALTY CORPORATION (Continued) **U003644468**

B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
I00 - Overfill - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping

TIDAL REALTY CORPORATION (Continued) **U003644468**

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
G99 - Tank Secondary Containment - Other
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
B07 - Tank External Protection - Retrofitted Sacrificial Anode
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	16520
Tank Number:	001
Tank ID:	31737
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	002
Tank ID:	31738
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	003
Tank ID:	31739
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	004
Tank ID:	31740
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	005
Tank ID:	31741
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	006
Tank ID:	31742
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	007
Tank ID:	31743
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	008
Tank ID:	31744
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	009
Tank ID:	31745
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	010
Tank ID:	31746
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	011
Tank ID:	31747
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	012
Tank ID:	31748
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	013
Tank ID:	31749
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1976-01-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	01
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	1993-02-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	014
Tank ID:	31750
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	16520
Tank Number:	015
Tank ID:	31751
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-03-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	1
Tank ID:	45158
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	10
Tank ID:	45167
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	11
Tank ID:	45168
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	12
Tank ID:	45169
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	13
Tank ID:	45170
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1976-01-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	21
Next Test Date:	2012-02-05 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2007-02-05 00:00:00
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2010-08-26 00:00:00
Site ID:	23241
Tank Number:	14
Tank ID:	45171
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1992-12-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2007-02-05 00:00:00
Register:	True
Modified By:	BKFALVEY
Last Modified:	2007-05-16 00:00:00
Site ID:	23241
Tank Number:	15
Tank ID:	53649
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1957-11-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2010-09-30 00:00:00
Register:	True
Modified By:	MXAJOKU
Last Modified:	2011-05-05 00:00:00
Site ID:	23241
Tank Number:	16
Tank ID:	65975
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-11-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2010-09-20 00:00:00
Register:	True
Modified By:	MXAJOKU
Last Modified:	2011-05-05 00:00:00
Site ID:	23241
Tank Number:	2
Tank ID:	45159
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	3
Tank ID:	45160
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	4
Tank ID:	45161
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	5
Tank ID:	45162
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	6
Tank ID:	45163
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	7
Tank ID:	45164
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1957-01-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	8
Tank ID:	45165
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	23241
Tank Number:	9
Tank ID:	45166
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	1993-02-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	1993-02-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

HIST UST:

PBS Number:	2-341320
SPDES Number:	Not reported
Emergency Contact:	SAM APPER
Emergency Telephone:	(516) 783-7822
Operator:	ROMY SEHGAL
Operator Telephone:	(718) 272-5408
Owner Name:	SAM APPER SERV STAT INC
Owner Address:	105-04 FLATLANDS AVE
Owner City,St,Zip:	BROOKLYN, NY 11236
Owner Telephone:	(718) 649-7258
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	SAM APPER SERV STAT INC
Mailing Address:	105-04 FLATLANDS AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11236
Mailing Contact:	Not reported
Mailing Telephone:	(718) 649-7258
Owner Mark:	First Owner
Facility Status:	3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated).
Facility Addr2:	105 FLATLANDS AVE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/17/1992
Expiration Date:	11/16/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	True
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61

TIDAL REALTY CORPORATION (Continued) **U003644468**

Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Undefined

TIDAL REALTY CORPORATION (Continued) **U003644468**

Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE

TIDAL REALTY CORPORATION (Continued) **U003644468**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	009
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	010
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	011
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	012
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19760101
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Sacrificial Anode
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None

TIDAL REALTY CORPORATION (Continued) **U003644468**

Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	02/01/1993
Next Test Date:	02/01/1998
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	014
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	015
Tank Location:	UNDERGROUND
Tank Status:	Undefined
Install Date:	19570101
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Other
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	Not reported

TIDAL REALTY CORPORATION (Continued) **U003644468**

Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

A4 **LOT 37,TAXBLOCK 8213** **E DESIGNATION** **S109942509**
10504 FLATLANDS AVENUE **N/A**
< 1/8 **BROOKLYN, NY 11236**
1 ft.

Site 4 of 5 in cluster A

Relative:
Lower

Actual:
9 ft.

E DESIGNATION:

Tax Lot(s):	37
E-No:	E-230
Effective Date:	6/30/2009
Satisfaction Date:	Not reported
Ceqr Number:	09DCP052K
Ulurp Number:	090313ZMK
Zoning Map No:	17d 23a 23b 23c
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code:	BK
Community District:	318
Census Tract:	984
Census Block:	1005
School District:	18
City Council District:	42
Fire Company:	L170
Health Area:	33
Police Precinct:	069
Zone District 1:	R5
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	R5
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G4
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	SAM APPER SERVICE STA
Lot Area:	000016200
Total Building Floor Area:	00000001245
Commercial Floor Area:	00000001245
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000001245
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00

LOT 37,TAXBLOCK 8213 (Continued) **S109942509**

Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0180.00
Lot Depth:	0090.00
Building Frontage:	0055.00
Building Depth:	0038.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000153000
Total Assessed Value:	00000176400
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1957
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.08
Maximum Allowable Far:	01.25
Borough Code:	3
Borough Tax Block And Lot:	3082130037
Condominium Number:	00000
Census Tract 2:	0984
X Coordinate:	1013632
Y Coordinate:	0175214
Zoning Map:	23C
Sanborn Map:	317 052
Tax Map:	32405
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A5 **MTA NYCT - CANARSIE YARD LL LINE** **RCRA-NonGen** **1004762026**
NW **E 105TH ST & FLATLANDS AVE** **FINDS** **NYR000092791**
< 1/8 **BROOKLYN, NY 11201**
0.008 mi.
44 ft. **Site 5 of 5 in cluster A**

Relative:
Higher

Actual:
10 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	MTA NYCT - CANARSIE YARD LL LINE
Facility address:	E 105TH ST & FLATLANDS AVE STORAGE FACILITY BROOKLYN, NY 11201
EPA ID:	NYR000092791
Mailing address:	BROADWAY 2ND FLOOR NEW YORK, NY 10004
Contact:	WILLIAM JEHLE

MTA NYCT - CANARSIE YARD LL LINE (Continued) **1004762026**

Contact address: BROADWAY 2ND FLOOR
NEW YORK, NY 10004
Contact country: US
Contact telephone: (646) 252-3500
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 2ND FLOOR
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: MTA NEW YORK CITY TRANSIT
Owner/operator address: 2 BROADWAY 2ND FLOOR
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3500
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MTA NYCT - CANARSIE YARD LL LINE
Classification: Not a generator, verified

Date form received by agency: 12/14/2000
Facility name: MTA NYCT - CANARSIE YARD LL LINE
Classification: Small Quantity Generator

MTA NYCT - CANARSIE YARD LL LINE (Continued) **1004762026**

Violation Status: No violations found

FINDS:

Registry ID: 110008114110

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

---

6 SW < 1/8 0.041 mi. 216 ft. | **LOT 44,TAXBLOCK 8212 10424 FLATLANDS AVENUE BROOKLYN, NY 11236** | **E DESIGNATION** | **S109942597 N/A**

Relative: Higher

Actual: 10 ft.

E DESIGNATION:

Tax Lot(s):	44
E-No:	E-230
Effective Date:	6/30/2009
Satisfaction Date:	Not reported
Ceqr Number:	09DCP052K
Ulurp Number:	090313ZMK
Zoning Map No:	17d 23a 23b 23c
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code:	BK
Community District:	318
Census Tract:	986
Census Block:	1000
School District:	18
City Council District:	42
Fire Company:	L170
Health Area:	33
Police Precinct:	069
Zone District 1:	R5
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	R5
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	BALLAS OLGA
Lot Area:	000010945
Total Building Floor Area:	00000005970
Commercial Floor Area:	00000005970
Office Floor Area:	00000000000
Retail Floor Area:	00000005970

LOT 44,TAXBLOCK 8212 (Continued) **S109942597**

Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00006
Lot Frontage:	0099.50
Lot Depth:	0110.00
Building Frontage:	0099.50
Building Depth:	0060.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000087300
Total Assessed Value:	00000215550
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1960
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.55
Maximum Allowable Far:	01.25
Borough Code:	3
Borough Tax Block And Lot:	3082120044
Condominium Number:	00000
Census Tract 2:	0986
X Coordinate:	1013468
Y Coordinate:	0175063
Zoning Map:	23C
Sanborn Map:	317 060
Tax Map:	32405
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

7
NE
< 1/8
0.046 mi.
242 ft.

FLATLANDS AVE/E 106TH ST
BROOKLYN, NY

NY Spills **S104650321**
NY Hist Spills **N/A**

Relative:
Higher

Actual:
10 ft.

NY Spills:

Site ID:	208456
Facility Addr2:	Not reported
Facility ID:	9913145
Spill Number:	9913145
Facility Type:	ER
SWIS:	2401
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	2/18/2000
Reported to Dept:	2/18/2000
CID:	281
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	2/27/2002
Remediation Phase:	0
Date Entered In Computer:	2/18/2000
Spill Record Last Update:	2/28/2002
Spiller Name:	SAME
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Contact Name:	RIHCARD ROACH
Contact Phone:	(212) 580-6763
DEC Region:	2
DER Facility ID:	172966
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Remarks:	OVERHEAD TRANSFORMER LEAKED AT ABOVE LOCATION. MATERIAL REPORTED 1/2 PINT. MATERIAL HAS BEEN CONTAINED BY PADS. SOME MATERIAL MAY HAVE GONE DOWN STORM SEWER AT ABOVE LOCATION. CLEANUP CREW RESPONDING AT TIME OF CALL. NO CALL BACK REQUESTED.

Material:

Site ID:	208456
Operable Unit ID:	1091857
Operable Unit:	01
Material ID:	295002
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons

(Continued) **S104650321**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 9913145
Investigator: O'CONNELL
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 02/18/2000 12:55
Reported to Dept Date/Time: 02/18/00 13:38
SWIS: 61
Spiller Name: CON EDISON
Spiller Contact: SAME
Spiller Phone: ( ) -
Spiller Contact: RIHCARD ROACH
Spiller Phone: (212) 580-6763
Spiller Address: 4 IRVING PLACE
Spiller City,St,Zip: NEW YORK, NY 10003-
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /

(Continued) **S104650321**

Date Spill Entered In Computer Data File: 02/18/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/18/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: TRANSFORMER OIL
Class Type: TRANSFORMER OIL
Times Material Entry In File: 533
CAS Number: Not reported
Last Date: 19940926
DEC Remarks: Not reported
Remark: OVERHEAD TRANSFORMER LEAKED AT ABOVE LOCATION. MATERIAL REPORTED 1/2 PINT. MATERIAL HAS BEEN CONTAINED BY PADS. SOME MATERIAL MAY HAVE GONE DOWN STORM SEWER AT ABOVE LOCATION. CLEANUP CREW RESPONDING AT TIME OF CALL. NO CALL BACK REQUESTED.

8
ESE
< 1/8
0.081 mi.
430 ft.

ABANDONED
928 EAST 106TH ST
BROOKLYN, NY

NY Spills **S107408532**
N/A

Relative:
Lower

Actual:
9 ft.

NY Spills:
Site ID: 351767
Facility Addr2: Not reported
Facility ID: 0506534
Spill Number: 0506534
Facility Type: ER
SWIS: 2401
Investigator: SFRAHMAN
Referred To: Not reported
Spill Date: 8/26/2005
Reported to Dept: 8/26/2005
CID: 409
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

ABANDONED (Continued) **S107408532**

Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 9/29/2005
Remediation Phase: 0
Date Entered In Computer: 8/26/2005
Spill Record Last Update: 11/10/2006
Spiller Name: WAIMAN WONG
Spiller Company: SIDEWALK
Spiller Address: 928 EAST 106 ST
Spiller City,St,Zip: BROOKLYN, NY
Spiller Company: 001
Contact Name: WAIMAN WONG
Contact Phone: (718) 595-4783
DEC Region: 2
DER Facility ID: 299043
DEC Memo: 09.29.05 SR// No bucket found.
Remarks: NO SPILL JUST AN ABANDONED 5 GAL BUCKET.

Material:
Site ID: 351767
Operable Unit ID: 1109272
Operable Unit: 01
Material ID: 2099266
Material Code: 0022
Material Name: Waste Oil/Used Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 5
Units: Gallons
Recovered: 5
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

B9 **DECENT DRY CLEANERS INC** **RCRA-NonGen** **1000208588**
NE **907 E 107TH ST** **FINDS** **NYD981082829**
< 1/8 **BROOKLYN, NY 11236** **MANIFEST**
0.096 mi.
507 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
9 ft.

RCRA-NonGen:
Date form received by agency: 01/01/2007
Facility name: DECENT DRY CLEANERS INC
Facility address: 907 E 107TH ST
BROOKLYN, NY 11236
EPA ID: NYD981082829
Mailing address: E 107TH ST

DECENT DRY CLEANERS INC (Continued) **1000208588**

	BROOKLYN, NY 11236
Contact:	KI HONG CHANG
Contact address:	E 107TH ST
	BROOKLYN, NY 11236
Contact country:	US
Contact telephone:	(718) 649-7146
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	KI HONG CHANG
Owner/operator address:	907 E 107TH ST
	BROOKLYN, NY 11236
Owner/operator country:	US
Owner/operator telephone:	(718) 649-7146
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	KI HONG CHANG
Owner/operator address:	907 E 107TH ST
	BROOKLYN, NY 11236
Owner/operator country:	US
Owner/operator telephone:	(718) 649-7146
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	DECENT DRY CLEANERS INC
Classification:	Not a generator, verified

Date form received by agency:	12/06/2001
Facility name:	DECENT DRY CLEANERS INC

DECENT DRY CLEANERS INC (Continued) **1000208588**

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/08/1999
Facility name: DECENT DRY CLEANERS INC
Classification: Not a generator, verified

Date form received by agency: 05/06/1985
Facility name: DECENT DRY CLEANERS INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004396626

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD981082829
Country: USA
Mailing Name: DECENT DY CLNRS INC
Mailing Contact: DECENT DY CLNRS INC
Mailing Address: 907 EAST 107TH STREET
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11236
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-649-7146

Document ID: NYA9143987
Manifest Status: Completed copy
Trans1 State ID: NYAM6252
Trans2 State ID: Not reported
Generator Ship Date: 881117
Trans1 Recv Date: 881117
Trans2 Recv Date: Not reported
TSD Site Recv Date: 881117
Part A Recv Date: 881122
Part B Recv Date: 881123
Generator EPA ID: NYD981082829
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds

DECENT DRY CLEANERS INC (Continued) **1000208588**

Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9204118
Manifest Status:	Completed copy
Trans1 State ID:	NYAM6252
Trans2 State ID:	Not reported
Generator Ship Date:	881219
Trans1 Recv Date:	881219
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881219
Part A Recv Date:	881223
Part B Recv Date:	881227
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9049138
Manifest Status:	Completed copy
Trans1 State ID:	NYAM6252
Trans2 State ID:	Not reported
Generator Ship Date:	880927
Trans1 Recv Date:	880927
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880927
Part A Recv Date:	880929
Part B Recv Date:	881004
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9355735
Manifest Status:	Completed copy

DECENT DRY CLEANERS INC (Continued) **1000208588**

Trans1 State ID:	AM6252(NY
Trans2 State ID:	Not reported
Generator Ship Date:	890309
Trans1 Recv Date:	890309
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890309
Part A Recv Date:	890314
Part B Recv Date:	890317
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	000
Year:	89

Document ID:	NYA9499397
Manifest Status:	Completed copy
Trans1 State ID:	AM6252(NY
Trans2 State ID:	Not reported
Generator Ship Date:	890601
Trans1 Recv Date:	890601
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890601
Part A Recv Date:	890607
Part B Recv Date:	890613
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYC5416648
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	11/18/1998
Trans1 Recv Date:	11/18/1998
Trans2 Recv Date:	11/24/1998
TSD Site Recv Date:	11/25/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981082829

DECENT DRY CLEANERS INC (Continued) **1000208588**

Trans1 EPA ID:	OHD980587364
Trans2 EPA ID:	Not reported
TSDF ID:	NYAP4503
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

Document ID:	NYA9236485
Manifest Status:	Completed copy
Trans1 State ID:	NYAY9381
Trans2 State ID:	Not reported
Generator Ship Date:	890112
Trans1 Recv Date:	890112
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890112
Part A Recv Date:	890118
Part B Recv Date:	890119
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9445544
Manifest Status:	Completed copy
Trans1 State ID:	LP3931NY
Trans2 State ID:	Not reported
Generator Ship Date:	890505
Trans1 Recv Date:	890505
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890505
Part A Recv Date:	890511
Part B Recv Date:	890515
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.

DECENT DRY CLEANERS INC (Continued) **1000208588**

Specific Gravity:	100
Year:	89

Document ID:	NYC1827617
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	921104
Trans1 Recv Date:	921104
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921104
Part A Recv Date:	921120
Part B Recv Date:	921113
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NYC3598828
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	950802
Trans1 Recv Date:	950802
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950802
Part A Recv Date:	950811
Part B Recv Date:	950810
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NYC3735707
Manifest Status:	Completed copy
Trans1 State ID:	AP4503NY
Trans2 State ID:	Not reported
Generator Ship Date:	951027

DECENT DRY CLEANERS INC (Continued) **1000208588**

Trans1 Recv Date:	951027
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951027
Part A Recv Date:	951107
Part B Recv Date:	951107
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NYA9588712
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890726
Trans1 Recv Date:	890726
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890726
Part A Recv Date:	890807
Part B Recv Date:	890804
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9407204
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	890406
Trans1 Recv Date:	890406
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890406
Part A Recv Date:	890427
Part B Recv Date:	890412
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760

DECENT DRY CLEANERS INC (Continued) **1000208588**

Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9547132
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890705
Trans1 Recv Date:	890705
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890706
Part A Recv Date:	890712
Part B Recv Date:	890713
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYC2216215
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	930323
Trans1 Recv Date:	930323
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930323
Part A Recv Date:	930402
Part B Recv Date:	930331
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

DECENT DRY CLEANERS INC (Continued) **1000208588**

Document ID:	NYC2166298
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	930225
Trans1 Recv Date:	930225
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930225
Part A Recv Date:	930312
Part B Recv Date:	930305
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NYA9777936
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891117
Trans1 Recv Date:	891117
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891117
Part A Recv Date:	891124
Part B Recv Date:	891129
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYA9740103
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	890921
Trans1 Recv Date:	890921
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890921
Part A Recv Date:	890926

DECENT DRY CLEANERS INC (Continued) **1000208588**

Part B Recv Date:	891002
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9851218
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891220
Trans1 Recv Date:	891220
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891220
Part A Recv Date:	891229
Part B Recv Date:	891228
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYA9675044
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	891023
Trans1 Recv Date:	891023
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891023
Part A Recv Date:	891031
Part B Recv Date:	891027
Generator EPA ID:	NYD981082829
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001

DECENT DRY CLEANERS INC (Continued) **1000208588**

Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Click this hyperlink while viewing on your computer to access
46 additional NY_MANIFEST: record(s) in the EDR Site Report.

B10 **DECENT DRY CLEANERS** **DRYCLEANERS** **S110246380**
NE **907 EAST 107TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11236**
0.096 mi.
507 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
9 ft.

DRYCLEANERS:

Facility ID:	SHUT DOWN
Phone Number:	Not reported
Region:	2
Registration Effective Date:	N/A
Inspection Date:	Not reported
Install Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Y
Alternate Solvent:	Not reported
Current Business:	A E DESIGN NAILS

C11 **CONSOLIDATED EDISON** **MANIFEST** **S110046285**
NE **FLATLANDS AVE & E. 108TH STREE** **N/A**
1/8-1/4 **BROOKLYN, NY 11236**
0.145 mi.
768 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
10 ft.

NY MANIFEST:

EPA ID:	NYP004194833
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	2009-10-02
Trans1 Recv Date:	2009-10-02
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-10-05
Part A Recv Date:	Not reported

CONSOLIDATED EDISON (Continued) **S110046285**

Part B Recv Date:	Not reported
Generator EPA ID:	NYP004194833
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	500.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000893805GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

C12 **CUMBERLAND FARMS #70226** **UST** **U000405864**
NE **10804 FLATLANDS AVENUENUE** **HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11236**
0.147 mi.
778 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
10 ft.

UST:

Facility Id:	2-218006
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2013/11/19
UTM X:	586812.82259
UTM Y:	4505702.5105600003

Affiliation Records:

Site Id:	8280
Affiliation Type:	Owner
Company Name:	CUMBERLAND FARMS, INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	100 CROSSING BOULEVARD
Address2:	Not reported
City:	FRAMINGHAM
State:	MA
Zip Code:	01702
Country Code:	001
Phone:	(800) 225-9702
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Modified By:	NRLOMBAR
Date Last Modified:	12/22/2011

Site Id:	8280
Affiliation Type:	Mail Contact
Company Name:	ECS ECLIPSE
Contact Type:	Not reported
Contact Name:	VICTORIA DIBACCO
Address1:	588 SILVER STREET
Address2:	Not reported
City:	AGAWAM
State:	MA
Zip Code:	01001
Country Code:	001
Phone:	(413) 789-3530
Phone Ext:	Not reported
Email:	VDIBACCO@ECSECLIPSE.COM
Fax Number:	Not reported
Modified By:	BXHANKIN
Date Last Modified:	12/29/2011

Site Id:	8280
Affiliation Type:	On-Site Operator
Company Name:	CUMBERLAND FARMS #70226
Contact Type:	Not reported
Contact Name:	MANAGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(781) 828-4900
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/1/2011

Site Id:	8280
Affiliation Type:	Emergency Contact
Company Name:	CUMBERLAND FARMS, INC.
Contact Type:	Not reported
Contact Name:	ALEX YASINEV
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 330-0715
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/26/2011

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Equipment Records:

A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
F00 - Pipe External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
B00 - Tank External Protection - None
K01 - Spill Prevention - Catch Basin
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
L08 - Piping Leak Detection - Tank Top Sump
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin

CUMBERLAND FARMS #70226 (Continued) **U000405864**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B04 - Tank External Protection - Fiberglass
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
I00 - Overfill - None
L08 - Piping Leak Detection - Tank Top Sump
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
L08 - Piping Leak Detection - Tank Top Sump
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
L08 - Piping Leak Detection - Tank Top Sump
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
E04 - Piping Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
B00 - Tank External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
E04 - Piping Secondary Containment - Double-Walled (Underground)

CUMBERLAND FARMS #70226 (Continued) **U000405864**

C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
B02 - Tank External Protection - Original Sacrificial Anode
H05 - Tank Leak Detection - In-Tank System (ATG)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None
I01 - Overfill - Float Vent Valve
I01 - Overfill - Float Vent Valve
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
E04 - Piping Secondary Containment - Double-Walled (Underground)
I01 - Overfill - Float Vent Valve
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
B00 - Tank External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
I00 - Overfill - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping

CUMBERLAND FARMS #70226 (Continued) **U000405864**

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	8280
Tank Number:	006
Tank ID:	23820
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1984-12-01 00:00:00
Capacity Gallons:	1000
Tightness Test Method:	16
Next Test Date:	Not reported
Date Tank Closed:	1994-08-01 00:00:00
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	1993-08-01 00:00:00
Register:	True
Modified By:	dxliving
Last Modified:	2008-08-25 00:00:00
Site ID:	8280
Tank Number:	007
Tank ID:	23821
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	008
Tank ID:	23822
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	009
Tank ID:	23823
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	010
Tank ID:	23824
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	011
Tank ID:	23825
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	012
Tank ID:	23826
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	013
Tank ID:	23827
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	014
Tank ID:	23828
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	015
Tank ID:	23829
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	016
Tank ID:	23830
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	017
Tank ID:	23831
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	018
Tank ID:	23832
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1962-12-01 00:00:00
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	8280
Tank Number:	1
Tank ID:	23815
Tank Status:	Closed - In Place
Tank Model:	101
Pipe Model:	D
Install Date:	1978-08-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	20
Next Test Date:	Not reported
Date Tank Closed:	2006-06-12 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2000-01-04 00:00:00
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2006-06-22 00:00:00
Site ID:	8280
Tank Number:	2
Tank ID:	23816
Tank Status:	In Service
Tank Model:	106

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Pipe Model:	D
Install Date:	1985-02-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	20
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	2000-01-04 00:00:00
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2011-09-01 00:00:00
Site ID:	8280
Tank Number:	3
Tank ID:	23817
Tank Status:	In Service
Tank Model:	106
Pipe Model:	D
Install Date:	1985-02-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	20
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	2000-01-04 00:00:00
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2011-09-01 00:00:00
Site ID:	8280
Tank Number:	4
Tank ID:	23818
Tank Status:	In Service
Tank Model:	106
Pipe Model:	D
Install Date:	1985-02-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	20
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	2000-01-04 00:00:00
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2011-09-01 00:00:00
Site ID:	8280
Tank Number:	5
Tank ID:	23819
Tank Status:	In Service
Tank Model:	106

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Pipe Model:	D
Install Date:	1985-02-01 00:00:00
Capacity Gallons:	4000
Tightness Test Method:	20
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	2000-01-04 00:00:00
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2011-09-01 00:00:00

HIST UST:

PBS Number:	2-218006
SPDES Number:	Not reported
Emergency Contact:	MR KIM KWIATKOWSKY
Emergency Telephone:	(602) 728-4783
Operator:	SALIM GORUR
Operator Telephone:	(718) 272-3506
Owner Name:	TOSCO CORPORATION
Owner Address:	P.O. BOX 52085
Owner City,St,Zip:	PHOENIX, AZ 85072-2085
Owner Telephone:	(602) 728-4783
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	TOSCO CORPORATION
Mailing Address:	P.O. BOX 52085
Mailing Address 2:	Not reported
Mailing City,St,Zip:	PHOENIX, AZ 85072-2085
Mailing Contact:	MR.KIM KWIATKOWSKI
Mailing Telephone:	(602) 728-4783
Owner Mark:	Third Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	108 FLATLANDS AVE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/16/2001
Expiration Date:	11/14/2006
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY

CUMBERLAND FARMS #70226 (Continued) **U000405864**

County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19781201
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Submersible
Date Tested:	01/01/1997
Next Test Date:	01/01/2002
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19851201
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass coated steel
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/access)
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Submersible
Date Tested:	01/01/1997
Next Test Date:	01/01/2002
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19851201
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass coated steel
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/access)
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Submersible
Date Tested:	01/01/1997
Next Test Date:	01/01/2002
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19851201
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass coated steel
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/access)
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Submersible
Date Tested:	01/01/1997
Next Test Date:	01/01/2002
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	In Service

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Install Date:	19851201
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass coated steel
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/access)
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Submersible
Date Tested:	01/01/1997
Next Test Date:	01/01/2002
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19841201
Capacity (gals):	1000
Product Stored:	UNKNOWN
Tank Type:	Fiberglass coated steel
Tank Internal:	Not reported
Tank External:	Fiberglass
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	08/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1994
Test Method:	Tracer Tight
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	009
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	010
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	011
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	012
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	014
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	015
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	016
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	017
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported

CUMBERLAND FARMS #70226 (Continued) **U000405864**

Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	018
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	19621201
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

13
North
1/8-1/4
0.198 mi.
1046 ft.

NYCHA - BREUKELEN
715 E 108TH ST
BROOKLYN, NY 11236

RCRA-NonGen **1001224058**
FINDS **NYR000052746**
MANIFEST

Relative:
Higher

Actual:
11 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	NYCHA - BREUKELEN
Facility address:	715 E 108TH ST BROOKLYN, NY 11236
EPA ID:	NYR000052746
Mailing address:	BROADWAY NEW YORK, NY 10007
Contact:	FRANK OCELLO
Contact address:	BROADWAY NEW YORK, NY 10007
Contact country:	US
Contact telephone:	(212) 306-3229
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

NYCHA - BREUKELEN (Continued) **1001224058**

Owner/operator name: NYCHA
Owner/operator address: 250 BROADWAY 16TH FLOOR
NEW YORK, NY 10007
Owner/operator country: US
Owner/operator telephone: (212) 306-3229
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYCHA
Owner/operator address: 250 BROADWAY 16TH FLOOR
NEW YORK, NY 10007
Owner/operator country: US
Owner/operator telephone: (212) 306-3229
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCHA - BREUKELEN
Classification: Not a generator, verified

Date form received by agency: 03/30/1998
Facility name: NYCHA - BREUKELEN
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004541700

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

NYCHA - BREUKELEN (Continued) **1001224058**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000052746
Country:	USA
Mailing Name:	NYCHA BREUKELEN
Mailing Contact:	RAY VALEZ
Mailing Address:	250 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-306-3142

Document ID:	NJA2787812
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	04/23/1998
Trans1 Recv Date:	04/23/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/24/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000052746
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJDEPES58
Waste Code:	U240 - 2,4 D,SALTS + ESTERS
Quantity:	00080
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

D14 **AMBER COURT OF BROOKLYN** **UST** **U004138366**
NW **650 EAST 104TH ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11236**
0.226 mi.
1192 ft. **Site 1 of 4 in cluster D**

Relative:
Lower

Actual:
9 ft.

UST:

Facility Id:	2-611067
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2011/12/26
UTM X:	593158.97961000004
UTM Y:	4500422.9588200003

AMBER COURT OF BROOKLYN (Continued) **U004138366**

Affiliation Records:

Site Id:	413261
Affiliation Type:	Owner
Company Name:	ALFRED AND JUDITH SCHONBERGER
Contact Type:	ADM
Contact Name:	GEORGE BERGER
Address1:	5117 14TH AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11219
Country Code:	001
Phone:	(718) 851-6614
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	5/3/2011

Site Id:	413261
Affiliation Type:	Mail Contact
Company Name:	AMBER COURT OF BROOKLYN
Contact Type:	Not reported
Contact Name:	GEORGE BERGER
Address1:	650 EAST 104TH ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11236
Country Code:	001
Phone:	(718) 649-0700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/1/2009

Site Id:	413261
Affiliation Type:	On-Site Operator
Company Name:	AMBER COURT OF BROOKLYN
Contact Type:	Not reported
Contact Name:	GEORGE BERGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 649-0700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/1/2009

Site Id:	413261
Affiliation Type:	Emergency Contact

AMBER COURT OF BROOKLYN (Continued) **U004138366**

Company Name:	ALFRED AND JUDITH SCHONBERGER
Contact Type:	Not reported
Contact Name:	GEORGE BERGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 649-0700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	5/3/2011

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None
L00 - Piping Leak Detection - None

Tank Info:

Site ID:	413261
Tank Number:	001
Tank ID:	228227
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1977-08-25 00:00:00
Capacity Gallons:	10000
Tightness Test Method:	NN
Next Test Date:	1987-12-27 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	2009-05-08 00:00:00

D15 NW 1/8-1/4 0.227 mi. 1199 ft. | **AMBER COURT OF BROOKLYN**
650 EAST 104TH STREET
BROOKLYN, NY | **LTANKS** | **S111319276**
N/A

Site 2 of 4 in cluster D

Relative: Lower

Actual: 9 ft.

LTANKS:

Site ID:	458205
Spill No:	1110371
Spill Date:	11/21/2011
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Spill Closed Dt:	Not reported
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	BKFALVEY
Referred To:	Not reported
Reported to Dept:	11/21/2011
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	11/21/2011
Spill Record Last Update:	11/28/2011
Spiller Name:	GEORGE BURGER
Spiller Company:	PROPERTY OWNER
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	JEFF
Spiller Phone:	(973) 229-5897
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	412682
DEC Memo:	TTF was sent out to Amber Court of Brooklyn 650 E 104TH ST BROOKLYN, NY 11236-2504 Attn: George Berger 11/28/11 Tank test failure report is in e-docs under PBS file (2-611067). bf
Remarks:	TANK TEST FAIL

Material:

Site ID:	458205
Operable Unit ID:	1208315
Operable Unit:	01
Material ID:	2205628
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported

AMBER COURT OF BROOKLYN (Continued) **S111319276**

Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

D16 **NURSING HOME** **LTANKS** **S106124355**
NW **630 E 104TH ST** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.233 mi.
1230 ft. **Site 3 of 4 in cluster D**

Relative:
Lower

Actual:
9 ft.

LTANKS:
Site ID: 154901
Spill No: 0308584
Spill Date: 11/13/2003
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/16/2004
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 2401
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 11/13/2003
CID: 365
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 11/13/2003
Spill Record Last Update: 11/16/2004
Spiller Name: RUDY BILARDI
Spiller Company: Not reported
Spiller Address: 630 E 104TH ST
Spiller City,St,Zip: BROOKLYN, NY
Spiller County: 001
Spiller Contact: RUDY BILARDI
Spiller Phone: (718) 240-3100
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 131304
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was

NURSING HOME (Continued) **S106124355**

"KRIMGOLD" Sangesland sent a TTF letter to: Facility Manager River Manor Care Center 630 East 104th St Brooklyn, NY 11236.
2/09/04. J.Krimgold spoke to Empire Fuel (Dave Stern @ 718-627-5100). They are in a contract with River Manor to repair lines and tank. More details - Keny (Empire Fuel). Should call me back.
Left massage for Mr. Bilardy (River Manor). 2/11/04. J.Krim gold spoke to Ken (Empire Fuel). USA tank will excavate the top of the tank, isolate lines and retest. Ken should call me back with an update on 2/23/04.
2/19/04. Ken from Empire Fuel called and informed that after i solation of piping tank was retested and failed the test. They pumped out the tank and the facility is currently running on gas. They are planning to repair the tank and USA Tank will perform the site assessment.
YK.
2/19/04. Contaminated soil letter has been sent to RUDY BILARD I (River Manor Care Center).
YK.
6/9/04. J.Krimgold spoke to Mr. Bilardy. He stated that they h ave a signed contract with Empire Fuel to remediate the site. He should fax to me a letter report with investigation summary today. Subcontractor USA Environ.
6/9/04 J.Krimgold spoke to Ken Reed (Empire) @ (516)643-4910. He stated that a subcontractor USA Environmental performed a site investigation and will submit the report in 2-3 days.
11/01/04. J.Krimgold spoke to Ken Reed and requested the status of this site. Mr. Reed tolled that he was sure that an investigation report has been sent to DEC 2-3 month ago. He will check with USA Env. and get back to me.
11/16/04. The Department has reviewed the report dated July 12, 20 04 submitted by ICET (201-933-2121) regarding abovementioned site. Based on the information provided, the petroleum release which was on this site has been satisfactorily cleaned up. NFA letter.

Remarks: Not reported

Material:

Site ID:	154901
Operable Unit ID:	877221
Operable Unit:	01
Material ID:	502064
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NURSING HOME (Continued) **S106124355**

Site ID:	154901
Spill Tank Test:	1528808
Tank Number:	1
Tank Size:	10000
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

D17 **RIVER MANOR HEALTH RELATED FACILITY** **UST** **U001836339**
NW **630 EAST 104TH ST** **HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11236** **AST**
0.233 mi.
1230 ft. **Site 4 of 4 in cluster D**

Relative:
Lower

Actual:
9 ft.

UST:

Facility Id:	2-266507
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2012/08/17
UTM X:	593128.02807999996
UTM Y:	4500419.3292300003

Affiliation Records:

Site Id:	11019
Affiliation Type:	Owner
Company Name:	RIVER MANOR CARE CENTER
Contact Type:	AGENT
Contact Name:	RUDOLPH JILARDI
Address1:	630 EAST 104TH ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11236
Country Code:	001
Phone:	(212) 272-1050
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	6/4/2009

Site Id:	11019
Affiliation Type:	Mail Contact
Company Name:	RIVER MANOR CARE CENTER
Contact Type:	Not reported
Contact Name:	FACILITY MANAGER
Address1:	630 EAST 104TH ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11236
Country Code:	001

RIVER MANOR HEALTH RELATED FACILITY (Continued) **U001836339**

Phone:	(212) 272-1050
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	6/4/2009

Site Id:	11019
Affiliation Type:	On-Site Operator
Company Name:	RIVER MANOR HEALTH RELATED FACILITY
Contact Type:	Not reported
Contact Name:	RUDOPLH M. VILARDI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 272-1050
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/6/2009

Site Id:	11019
Affiliation Type:	Emergency Contact
Company Name:	RIVER MANOR CARE CENTER
Contact Type:	Not reported
Contact Name:	COASTAL COMBUSTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(800) 734-4328
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/6/2009

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

RIVER MANOR HEALTH RELATED FACILITY (Continued) **U001836339**

I03 - Overfill - Automatic Shut-Off
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L00 - Piping Leak Detection - None
L00 - Piping Leak Detection - None
K00 - Spill Prevention - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off

Tank Info:

Site ID:	11019
Tank Number:	001
Tank ID:	18184
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	2004-08-01 00:00:00
Capacity Gallons:	8800
Tightness Test Method:	21
Next Test Date:	2014-08-01 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2009-03-25 00:00:00
Register:	True
Modified By:	MSBAPTIS
Last Modified:	2009-06-04 00:00:00
Site ID:	11019
Tank Number:	002
Tank ID:	18185
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported

RIVER MANOR HEALTH RELATED FACILITY (Continued) **U001836339**

Install Date:	1974-06-01 00:00:00
Capacity Gallons:	1000
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2009-03-25 00:00:00
Register:	True
Modified By:	MSBAPTIS
Last Modified:	2009-06-04 00:00:00

HIST UST:

PBS Number:	2-266507
SPDES Number:	Not reported
Emergency Contact:	COASTAL COMBUSTION
Emergency Telephone:	(800) 734-4328
Operator:	RUDOPLH M. VILARDI
Operator Telephone:	(718) 272-1050
Owner Name:	RIVER MANOR CARE CENTER
Owner Address:	630 EAST 104TH ST
Owner City,St,Zip:	BROOKLYN, NY 11236
Owner Telephone:	(212) 272-1050
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	RIVER MANOR CARE CENTER
Mailing Address:	630 EAST 104TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11236
Mailing Contact:	FACILITY MANAGER
Mailing Telephone:	(800) 734-4328
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	630 EAST 104TH ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/30/2000
Expiration Date:	08/17/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	11000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61

RIVER MANOR HEALTH RELATED FACILITY (Continued) **U001836339**

Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	11/02/1998
Next Test Date:	11/02/2003
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	21
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	1000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

RIVER MANOR HEALTH RELATED FACILITY (Continued) **U001836339**

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-266507
Program Type:	PBS
UTM X:	593128.02807999996
UTM Y:	4500419.3292300003
Expiration Date:	2012/08/17

Affiliation Records:

Site Id:	11019
Affiliation Type:	Owner
Company Name:	RIVER MANOR CARE CENTER
Contact Type:	AGENT
Contact Name:	RUDOLPH JILARDI
Address1:	630 EAST 104TH ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11236
Country Code:	001
Phone:	(212) 272-1050
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	6/4/2009

Site Id:	11019
Affiliation Type:	Mail Contact
Company Name:	RIVER MANOR CARE CENTER
Contact Type:	Not reported
Contact Name:	FACILITY MANAGER
Address1:	630 EAST 104TH ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11236
Country Code:	001
Phone:	(212) 272-1050
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	6/4/2009

Site Id:	11019
Affiliation Type:	On-Site Operator
Company Name:	RIVER MANOR HEALTH RELATED FACILITY
Contact Type:	Not reported
Contact Name:	RUDOPLH M. VILARDI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported

RIVER MANOR HEALTH RELATED FACILITY (Continued) **U001836339**

Country Code:	001
Phone:	(718) 272-1050
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/6/2009

Site Id:	11019
Affiliation Type:	Emergency Contact
Company Name:	RIVER MANOR CARE CENTER
Contact Type:	Not reported
Contact Name:	COASTAL COMBUSTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(800) 734-4328
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/6/2009

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating

RIVER MANOR HEALTH RELATED FACILITY (Continued) **U001836339**

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L00 - Piping Leak Detection - None
L00 - Piping Leak Detection - None
K00 - Spill Prevention - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off

Tank Info:

Tank Number:	003
Tank Id:	228757
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1974-06-01 00:00:00
Capacity Gallons:	18
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	2009-06-04 00:00:00

Tank Number:	004
Tank Id:	228758
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1974-06-01 00:00:00
Capacity Gallons:	18
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	2009-06-04 00:00:00

18 SSE 1/8-1/4 0.247 mi. 1305 ft. | **PUBLIC SCHOOL 279 - BROOKLYN**
1070 EAST 104TH STREET
BROOKLYN, NY 11236 | **AST** | **A100320114**
N/A

Relative: Lower

Actual: 8 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-354716
Program Type:	PBS
UTM X:	593657.39424000005
UTM Y:	4499811.81085
Expiration Date:	2013/06/28

Affiliation Records:

Site Id:	17648
Affiliation Type:	Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	JAMES A. MERLO
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/27/2011

Site Id:	17648
Affiliation Type:	Mail Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	JAMES A. MERLO
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	JMERLO@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	9/2/2008

Site Id:	17648
Affiliation Type:	On-Site Operator
Company Name:	PUBLIC SCHOOL 279 - BROOKLYN
Contact Type:	Not reported
Contact Name:	PLANT OPERATIONS
Address1:	Not reported
Address2:	Not reported

PUBLIC SCHOOL 279 - BROOKLYN (Continued) **A100320114**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 349-5400
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/13/2008

Site Id:	17648
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	SCHOOL SAFETY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 935-3300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/29/2011

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	001
Tank Id:	34548
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1959-01-24 00:00:00
Capacity Gallons:	9600
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

PUBLIC SCHOOL 279 - BROOKLYN (Continued) **A100320114**

Register:	True
Modified By:	dxliving
Last Modified:	2008-05-13 00:00:00

E19
NE
1/8-1/4
0.248 mi.
1309 ft.

US COAST GUARD/NYCDEP FRESH CRK OUTFALL **MANIFEST** **S108934101**
FLATLANDS & WILLIAMS AVE **N/A**
BROOKLYN, NY

Site 1 of 2 in cluster E

Relative:
Higher

Actual:
10 ft.

NY MANIFEST:

EPA ID:	NYP000952291
Country:	USA
Mailing Name:	US COAST GUARD/NYCDEP FRESH CRK OUTFALL
Mailing Contact:	JEFF BRAY
Mailing Address:	212 COASST GUARD DR
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10305
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-354-4136

NY MANIFEST:

No Manifest Records Available

E20
NE
1/8-1/4
0.249 mi.
1317 ft.

26TH WARD WATER POLLUTION **HIST LTANKS** **S102399516**
CONTROL -112-66 FLATLAND **N/A**
BROOKLYN, NY

Site 2 of 2 in cluster E

Relative:
Higher

Actual:
11 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9608289
Spill Date:	10/02/1996
Spill Time:	15:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	KOLLEENY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported

26TH WARD WATER POLLUTION (Continued) **S102399516**

Reported to Department Date: 10/03/96
Reported to Department Time: 10:23
SWIS: 61
Spiller Contact: SUNIL MODI
Spiller Phone: (718) 595-4887
Spiller Extention: Not reported
Spiller Name: CITY OF NEW YORK
Spiller Address: WATER POLLUTION PLANT
Spiller City,St,Zip: BROOKLYN, NY
Spiller Cleanup Date: / /
Facility Contact: SUNIL MODI
Facility Phone: (718) 595-4887
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: 2-456489
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/03/96
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/30/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 010
Tank Size: 10000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: Not reported
Spill Cause: Not reported

21 North 1/8-1/4 0.250 mi. 1319 ft. | **NYCHA - BREUKELEN HOUSES**
650 E 108TH ST
BROOKLYN, NY 11236 | **RCRA-CESQG** | **1014399916**
NYR000180067

Relative: Higher

Actual: 11 ft.

RCRA-CESQG:

Date form received by agency:	01/14/2011
Facility name:	NYCHA - BREUKELEN HOUSES
Facility address:	650 E 108TH ST BROOKLYN, NY 11236
EPA ID:	NYR000180067
Mailing address:	49TH AVE 5TH FLOOR LONG ISLAND CITY, NY 11101
Contact:	CEASARE GENTILE
Contact address:	49TH AVE 5TH FLOOR LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 707-5729
Contact email:	CEASARE.GENTILE@NYCHA.NYC.GOV
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYC HOUSING AUTHORITY
Owner/operator address:	49TH AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	11/06/1952
Owner/Op end date:	Not reported
Owner/operator name:	NYC HOUSING AUTHORITY
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	11/06/1952
Owner/Op end date:	Not reported

NYCHA - BREUKELEN HOUSES (Continued) **1014399916**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Violation Status:	No violations found

F22 **BREUKELEN** **HIST LTANKS** **S100177049**
North **618 E 108TH ST** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.284 mi.
1497 ft. **Site 1 of 2 in cluster F**

Relative:
Higher

Actual:
10 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9107005
Spill Date:	09/30/1991
Spill Time:	11:30
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/03/95
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	HEALY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported

BREUKELEN (Continued) **S100177049**

Reported to Department Date: 09/30/91
Reported to Department Time: 15:05
SWIS: 61
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: NYCHA
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: FRANK OCELLO
Facility Phone: (212) 306-3229
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-473855
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/03/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 11/03/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 002
Tank Size: 35000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
PBS Number: Not reported
Tank Number: 003
Tank Size: 35000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Site investigation conducted by TRC found no soil or groundwater contamination. Tanks subsequently passed precision tests. close out as of 11/3/95. JNH
Spill Cause: E, I R

F23	**BREUKELEN HOUSES**	**LTANKS**	**U001840686**
North	**618 EAST 108TH STREET**	**HIST LTANKS**	**N/A**
1/4-1/2	**BROOKLYN, NY 11236**	**UST**	
0.284 mi.		**HIST UST**	
1497 ft.	**Site 2 of 2 in cluster F**	**NY Spills**	

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	271198
Spill No:	9306985
Spill Date:	9/8/1993
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	7/8/1996
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	JANE HEALY
Referred To:	Not reported
Reported to Dept:	9/8/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/8/1993
Spill Record Last Update:	12/7/2005
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	95814
DEC Memo:	Not reported
Remarks:	EMPTY OUT - CHECK TO SEE IF LEAKING.

Material:

Site ID:	271198
Operable Unit ID:	985257
Operable Unit:	01
Material ID:	393267
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

BREUKELEN HOUSES (Continued) **U001840686**

Tank Test:

Site ID:	271198
Spill Tank Test:	1541971
Tank Number:	002
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	304293
Spill No:	9107005
Spill Date:	9/30/1991
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/3/1995
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	9/30/1991
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/3/1991
Spill Record Last Update:	12/7/2005
Spiller Name:	FRANK OCELLO
Spiller Company:	NYCHA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	95814
DEC Memo:	Not reported
Remarks:	E, I & R

Material:

Site ID:	304293
Operable Unit ID:	957350
Operable Unit:	01
Material ID:	419241
Material Code:	0001

BREUKELEN HOUSES (Continued) **U001840686**

Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	304293
Spill Tank Test:	1539114
Tank Number:	003
Tank Size:	35000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II
Site ID:	304293
Spill Tank Test:	1539113
Tank Number:	002
Tank Size:	35000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

Site ID:	271200
Spill No:	9406297
Spill Date:	8/9/1994
Spill Cause:	Tank Overfill
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	8/26/1994
Facility Addr2:	Not reported
Cleanup Ceased:	8/26/1994
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	8/9/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/9/1994
Spill Record Last Update:	12/7/2005
Spiller Name:	Not reported

BREUKELEN HOUSES (Continued) **U001840686**

Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	95814
DEC Memo:	Not reported
Remarks:	SPILL CONTAINED IN TANK #1 VAULT - WINSTON ENROUTE - TO PUMP OUT. MANHOLE COVER LEFT OFF TANK IN VAULT AREA.

Material:

Site ID:	271200
Operable Unit ID:	1003660
Operable Unit:	01
Material ID:	379346
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	90
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	271200
Spill Tank Test:	1543022
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	271199
Spill No:	9315459
Spill Date:	1/15/1991
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	7/8/1996
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	3/30/1994

BREUKELEN HOUSES (Continued) **U001840686**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/5/1994
Spill Record Last Update:	12/7/2005
Spiller Name:	Not reported
Spiller Company:	NYCHA - JOE MONTELLA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	95814
DEC Memo:	Not reported
Remarks:	LEAK RATE OF 0.09 GPH - REPORTED AS PASSED BY TESTER.

Material:

Site ID:	271199
Operable Unit ID:	993565
Operable Unit:	01
Material ID:	387211
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	271199
Spill Tank Test:	1542564
Tank Number:	001
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	9306985
Spill Date:	09/08/1993
Spill Time:	11:30
Spill Cause:	Tank Test Failure

BREUKELEN HOUSES (Continued) **U001840686**

Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/08/96
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	JANE HEALY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	09/08/93
Reported to Department Time:	11:33
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYCHA
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(212) 306-3142
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	2-473855
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	09/08/93
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	07/08/96
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	002
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Pounds

BREUKELEN HOUSES (Continued) **U001840686**

Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: TTF. 7/8/96: Site investigation conducted by TRC found no significant contamination. Tank subsequently passed precision test. Cose out. JNH
Spill Cause: EMPTY OUT - CHECK TO SEE IF LEAKING.

Region of Spill: 2
Spill Number: 9713569
Spill Date: 03/06/1998
Spill Time: 11:30
Spill Cause: Tank Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: SACCACIO
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 03/06/98
Reported to Department Time: 14:42
SWIS: 61
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: NYC HOUSING AUTHORITY
Spiller Address: 250 BROADWAY
Spiller City,St,Zip: NEW YORK, NY 10007-
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: -473855
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /

BREUKELEN HOUSES (Continued) **U001840686**

Date Spill Entered In Computer Data File: 03/06/98
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 05/25/99
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: DURING TANK REMOVAL - CONTAMINATED SOIL FOUND - SOIL BEING STOCKPILED - CONTRACTOR IS AQUA X

Region of Spill: 2
Spill Number: 9406297
Spill Date: 08/09/1994
Spill Time: 09:00
Spill Cause: Tank Overfill
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/26/94
Cleanup Ceased: 08/26/94
Cleanup Meets Standard: True
Investigator: HEALY
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported

BREUKELEN HOUSES (Continued) **U001840686**

Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 08/09/94
Reported to Department Time: 10:06
SWIS: 61
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: NYC HOUSING AUTHORITY
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (212) 306-3142
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: 2-473855
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/09/94
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 08/26/94
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 90
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: SPILL CONTAINED IN TANK 1 VAULT - WINSTON ENROUTE - TO PUMP OUT. MANHOLE COVER LEFT OFF TANK IN VAULT AREA.

Region of Spill: 2

BREUKELEN HOUSES (Continued) **U001840686**

Spill Number:	9315459
Spill Date:	01/15/1991
Spill Time:	12:00
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/08/96
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	HEALY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	03/30/94
Reported to Department Time:	14:54
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYCHA - JOE MONTELLA
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(212) 306-3142
Facility Extention:	Not reported
Spill Notifier:	DEC
PBS Number:	2-473855
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	04/05/94
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	07/08/96
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	001
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

BREUKELEN HOUSES (Continued) **U001840686**

Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 7/8/96: Site investigation by TRC found no significant contamination. Tank subsequently passed precision test. Close out. JNH
Spill Cause: LEAK RATE OF 0.09 GPH - REPORTED AS PASSED BY TESTER.

Click this hyperlink while viewing on your computer to access additional NY_HIST_LTANK: detail in the EDR Site Report.

UST:
Facility Id: 2-473855
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2014/03/28
UTM X: 593378.97479999997
UTM Y: 4500614.6772699999

Affiliation Records:
Site Id: 20859
Affiliation Type: Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: FUEL OIL REMEDIATION COORDINATOR
Contact Name: Not reported
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 11/23/2011

Site Id: 20859
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: FUEL OIL REMEDIATION COORDINATOR
Address1: 23-02 49TH AVENUE
Address2: TECH SERVS DEPT - 5TH FLOOR
City: LONG ISLAND CITY
State: NY
Zip Code: 11101

BREUKELEN HOUSES (Continued) **U001840686**

Country Code:	001
Phone:	(718) 707-5725
Phone Ext:	Not reported
Email:	TROCCHIO.R@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/21/2011

Site Id:	20859
Affiliation Type:	On-Site Operator
Company Name:	BREUKELEN HOUSES
Contact Type:	Not reported
Contact Name:	FUEL OIL REMEDIATION UNIT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/15/2008

Site Id:	20859
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	bkfalvey
Date Last Modified:	1/14/2009

Equipment Records:

C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

BREUKELEN HOUSES (Continued) **U001840686**

J02 - Dispenser - Suction
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D11 - Pipe Type - Flexible Piping
F05 - Pipe External Protection - Jacketed
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
I00 - Overfill - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
C02 - Pipe Location - Underground/On-ground
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
I04 - Overfill - Product Level Gauge (A/G)
D11 - Pipe Type - Flexible Piping
F05 - Pipe External Protection - Jacketed
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
B04 - Tank External Protection - Fiberglass
D08 - Pipe Type - Equivalent Technology
J02 - Dispenser - Suction
G04 - Tank Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
F99 - Pipe External Protection - Other
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
A04 - Tank Internal Protection - Glass Liner

Tank Info:

Site ID:	20859
Tank Number:	1
Tank ID:	55499
Tank Status:	In Service
Tank Model:	106
Pipe Model:	E
Install Date:	1998-06-01 00:00:00
Capacity Gallons:	25000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported

BREUKELEN HOUSES (Continued) **U001840686**

Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2008-09-15 00:00:00
Site ID:	20859
Tank Number:	2
Tank ID:	55500
Tank Status:	In Service
Tank Model:	106
Pipe Model:	E
Install Date:	1998-06-01 00:00:00
Capacity Gallons:	25000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	2008-09-15 00:00:00
Site ID:	20859
Tank Number:	OLD 1
Tank ID:	37609
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	35000
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	1998-04-01 00:00:00
Tank Location:	5
Tank Type:	Z
Date Test:	1995-02-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	20859
Tank Number:	OLD 2
Tank ID:	37610
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	35000
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	1998-04-01 00:00:00

BREUKELEN HOUSES (Continued) **U001840686**

Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00
Site ID:	20859
Tank Number:	OLD 3
Tank ID:	37611
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1952-10-01 00:00:00
Capacity Gallons:	35000
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	1998-04-01 00:00:00
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	1995-06-01 00:00:00
Register:	True
Modified By:	TRANSLAT
Last Modified:	2004-03-04 00:00:00

HIST UST:

PBS Number:	2-473855
SPDES Number:	Not reported
Emergency Contact:	EMERGENCY SERVICE SQUAD
Emergency Telephone:	(212) 289-3940
Operator:	RAFAEL VELEZ
Operator Telephone:	(212) 306-3142
Owner Name:	NYC HOUSING AUTHORITY
Owner Address:	250 BROADWAY
Owner City,St,Zip:	NEW YORK, NY 10007
Owner Telephone:	(212) 306-3142
Owner Type:	Local Government
Owner Subtype:	51
Mailing Name:	REMEDIATION SECTION
Mailing Address:	NEW YORK HOUSING AUTHORITY
Mailing Address 2:	16TH FLOOR
Mailing City,St,Zip:	NEW YORK, NY 10007
Mailing Contact:	FRANK OCELLO
Mailing Telephone:	(212) 306-3142
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported

BREUKELEN HOUSES (Continued) **U001840686**

Certification Flag:	False
Certification Date:	10/29/1999
Expiration Date:	03/28/2004
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	50000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19980601
Capacity (gals):	35000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Not reported
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Wrapped (Piping)
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	02/01/1995
Next Test Date:	Not reported
Missing Data for Tank:	Major Data Missing (which is on the certificate)
Date Closed:	04/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19980601
Capacity (gals):	35000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Glass Liner
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	Other
Pipe External:	Other

BREUKELEN HOUSES (Continued) **U001840686**

Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Product Level Gauge
Dispenser:	Suction
Date Tested:	06/01/1995
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	04/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19521001
Capacity (gals):	35000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Wrapped (Piping)
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	06/01/1995
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	04/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	1
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19980601
Capacity (gals):	25000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Fiberglass coated steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	Other
Pipe External:	Other
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Product Level Gauge

BREUKELEN HOUSES (Continued) **U001840686**

Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	2
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19980601
Capacity (gals):	25000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Fiberglass coated steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	Other
Pipe External:	Other
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

NY Spills:

Site ID:	109037
Facility Addr2:	Not reported
Facility ID:	9713569
Spill Number:	9713569
Facility Type:	ER
SWIS:	2401
Investigator:	jkkann
Referred To:	REPORT SUBMITTED 6/10/09
Spill Date:	3/6/1998
Reported to Dept:	3/6/1998
CID:	312
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended

BREUKELEN HOUSES (Continued) **U001840686**

UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	Not Closed
Remediation Phase:	1
Date Entered In Computer:	3/6/1998
Spill Record Last Update:	6/15/2009
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	250 BROADWAY
Spiller City,St,Zip:	NEW YORK, NY 10007-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
DER Facility ID:	95814
DEC Memo:	12/07/05: This spill transferred from J.Kolleeny to S.Kraszewski. 03/23/06: This spill transferred to K.Tang - SK 08/04/08: J.kan n - Spill transferred to J.Kann. Investigative work plan received on 7/29/08. 06/15/09: J.Kann - Investigation Report submitted on 6/10/09. Wor k performed without DEC approval of work plan.
Remarks:	DURING TANK REMOVAL - CONTAMINATED SOIL FOUND - SOIL BEING STOCKPILED - CONTRACTOR IS AQUA X

Material:

Site ID:	109037
Operable Unit ID:	1059532
Operable Unit:	01
Material ID:	324579
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	109037
Operable Unit ID:	1059532
Operable Unit:	01
Material ID:	324578
Material Code:	0002
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported

BREUKELEN HOUSES (Continued) **U001840686**

Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	109038
Facility Addr2:	Not reported
Facility ID:	9814335
Spill Number:	9814335
Facility Type:	ER
SWIS:	2401
Investigator:	jkkann
Referred To:	CLOSED PER NYCHA INFO
Spill Date:	3/1/1999
Reported to Dept:	3/1/1999
CID:	257
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	6/14/2007
Remediation Phase:	0
Date Entered In Computer:	3/1/1999
Spill Record Last Update:	6/14/2007
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	250 BROADWAY
Spiller City,St,Zip:	NEW YORK, NY 10007-
Spiller Company:	001
Contact Name:	MARIO MANDALONE
Contact Phone:	(718) 649-7017
DEC Region:	2
DER Facility ID:	95814
DEC Memo:	11/30/05: This spill transferred from J.Kolleeny to S.Kraszewski. 02/03/06: This spill transferred from S.Kraszewski to Q.Abidi. 04/04/04: This spill transferred from Q. Abidi to Koon Tang. 06/14/07: This spill was transferred from K. Tang to J.Kann. Information provided by NYCHA indicates that spill was limited to concrete floor and area was properly cleaned. Spill was closed.
Remarks:	VALUE FAILED ON REFILL OF TANK #1

Material:

Site ID:	109038
Operable Unit ID:	1075369

BREUKELEN HOUSES (Continued) **U001840686**

Operable Unit:	01
Material ID:	311031
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	50
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

G24 **SCHOOL** **LTANKS** **S104514330**
SSW **1001 EAST 100TH ST** **HIST LTANKS** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.294 mi.
1552 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	124030
Spill No:	9511770
Spill Date:	12/18/1995
Spill Cause:	Tank Overfill
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	1/21/1996
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	12/18/1995
CID:	365
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0

SCHOOL (Continued) **S104514330**

Date Entered In Computer:	12/18/1995
Spill Record Last Update:	7/8/2004
Spiller Name:	JOE LACAZI
Spiller Company:	SCHOOL
Spiller Address:	1001 EAST 100TH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	JOE LACAZI
Spiller Phone:	(718) 451-0848
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	107470
DEC Memo:	Not reported
Remarks:	SCHOOL ORDER OIL NOT KNOWING HOW MUCH WAS IN TANK CAUSING DRIVER TO OVERFILL IT - MYSTIC IS NOT TAKING RESPONSIBILITY FOR SPILL - SCHOOL DISTICT WILL HANDLE CLEAN UP

Material:

Site ID:	124030
Operable Unit ID:	1025980
Operable Unit:	01
Material ID:	561297
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	124031
Spill No:	9511779
Spill Date:	12/18/1995
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/18/1995
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False

SCHOOL (Continued) **S104514330**

SWIS:	2401
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	12/18/1995
CID:	270
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/18/1995
Spill Record Last Update:	7/8/2004
Spiller Name:	JOE LUCHESE
Spiller Company:	PUBLIC SCHOOL 211
Spiller Address:	1001 EAST 100TH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	JOE LUCHESE
Spiller Phone:	(718) 451-0848
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	107470
DEC Memo:	Not reported
Remarks:	poss clogged fuel line

Material:

Site ID:	124031
Operable Unit ID:	1025988
Operable Unit:	01
Material ID:	566933
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	140
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2

SCHOOL (Continued) **S104514330**

Spill Number:	9511770
Spill Date:	12/18/1995
Spill Time:	09:00
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/18/95
Reported to Department Time:	09:11
SWIS:	61
Spiller Contact:	JOE LACAZI
Spiller Phone:	(718) 451-0848
Spiller Extention:	Not reported
Spiller Name:	SCHOOL
Spiller Address:	1001 EAST 100TH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Cleanup Date:	/ /
Facility Contact:	JOE LACAZI
Facility Phone:	(718) 451-0848
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	12/18/95
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	01/29/96
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

SCHOOL (Continued) **S104514330**

Material Class Type:	Petroleum
Quantity Spilled:	100
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#6 FUEL OIL
Class Type:	#6 FUEL OIL
Times Material Entry In File:	2190
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Spill Cause:	SCHOOL ORDER OIL NOT KNOWING HOW MUCH WAS IN TANK CAUSING DRIVER TO OVERFILL IT - MYSTIC IS NOT TAKING RESPONSIBILITY FOR SPILL - SCHOOL DISTICT WILL HANDLE CLEAN UP

G25 **PUBLIC SCHOOL 211** **HIST LTANKS** **S102233257**
SSW **1001 EAST 100TH ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.294 mi.
1552 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
10 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9511779
Spill Date:	12/18/1995
Spill Time:	09:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/18/95
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/18/95
Reported to Department Time:	11:26
SWIS:	61
Spiller Contact:	JOE LUCHESE
Spiller Phone:	(718) 451-0848
Spiller Extention:	Not reported
Spiller Name:	PUBLIC SCHOOL 211
Spiller Address:	1001 EAST 100TH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Cleanup Date:	/ /
Facility Contact:	JOE LUCHESE
Facility Phone:	(718) 451-0848
Facility Extention:	Not reported

PUBLIC SCHOOL 211 (Continued) **S102233257**

Spill Notifier: DEC
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/18/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 01/29/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 140
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: poss clogged fuel line

26
NW
1/4-1/2
0.306 mi.
1616 ft.

552 W 105TH ST **LTANKS** **S102671819**
552 W 105TH ST **HIST LTANKS** **N/A**
NYC, NY

Relative:
Lower

Actual:
9 ft.

LTANKS:
Site ID: 116257
Spill No: 9111232
Spill Date: 1/30/1992
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: Not reported
Spill Closed Dt: 1/31/1992
Facility Addr2: Not reported
Cleanup Ceased: 1/31/1992
Cleanup Meets Standard: True
SWIS: 3101
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 1/30/1992

552 W 105TH ST (Continued) **S102671819**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/10/1992
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	BAERENKLAU
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	101191
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Remarks:	Not reported

Material:

Site ID:	116257
Operable Unit ID:	964960
Operable Unit:	01
Material ID:	559092
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9111232
Spill Date:	01/30/1992
Spill Time:	19:23

552 W 105TH ST (Continued) **S102671819**

Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Not reported
Spill Closed Dt:	01/31/92
Cleanup Ceased:	01/31/92
Cleanup Meets Standard:	True
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/30/92
Reported to Department Time:	20:36
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	BAERENKLAU
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	02/10/92
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	/ /
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	3
Unkonwn Quantity Spilled:	False
Units:	Gallons

552 W 105TH ST (Continued) **S102671819**

Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: Not reported

27
SW
1/4-1/2
0.403 mi.
2130 ft.

HOLY FAMILY CHURCH
9719 FLATLANDS AVE
BROOKLYN, NY

LTANKS **S105996261**
N/A

Relative:
Higher

Actual:
19 ft.

LTANKS:
Site ID: 106728
Spill No: 0203867
Spill Date: 7/12/2002
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 6/21/2005
Facility Addr2: CANARSIE
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 2401
Investigator: MJHAGGER
Referred To: Not reported
Reported to Dept: 7/12/2002
CID: 257
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 7/12/2002
Spill Record Last Update: 6/21/2005
Spiller Name: DONOVIN JARRETT
Spiller Company: HOLY FAMILY CHURCH
Spiller Address: 9719 FLATLANDS AVE
Spiller City,St,Zip: CANARSIE, NY
Spiller County: 001
Spiller Contact: DONOVIN JARRETT
Spiller Phone: (718) 257-2954
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 93949
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND" 3/11/2003 - Sangesland spoke with John Leddy of Protest. 5,000 gal tank is being removed from under the parking lot of this church. Mr. Leddy had a concern that the water level in this area is high and clean endpoint samples may be difficult to obtain.
Sangesland directed Protest to excavate out as much contaminated s

HOLY FAMILY CHURCH (Continued) **S105996261**

oil as possible, and then obtain sidewall end point samples. Vac out the liquid from the excavation (a couple of times) in an effort to draw back into the excavation any liquid contamination which may have moved
away.
Based on endpoint sample results and groundwater sample results, a dditional work may be required at the
site.
6/15/05 - Haggerty - I spoke with Pro-Test Enterprises, they sent me all the documentation from the
case.
6/21/05 - Haggerty - Based on the Spill Closure Report sent by Pro Test, the decision was made to close out the spill. The contamination from the site was satisfactorily contained and disposed of.

Remarks: 2 tanks on property this one is the school tank -

Material:

Site ID:	106728
Operable Unit ID:	856664
Operable Unit:	01
Material ID:	521675
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

H28 **VANDALIA** **HIST LTANKS** **S102671636**
ENE **17 VANDALIA AVENUE** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.408 mi.
2152 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
19 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9011231
Spill Date:	01/23/1991
Spill Time:	11:00
Spill Cause:	Tank Overfill

VANDALIA (Continued) **S102671636**

Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/06/93
Cleanup Ceased:	07/06/93
Cleanup Meets Standard:	True
Investigator:	HEALY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/23/91
Reported to Department Time:	11:46
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYCHA/RAD OIL
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(718) 388-8787
Facility Extention:	Not reported
Spill Notifier:	Affected Persons
PBS Number:	2-474088
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/29/91
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	12/27/93
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	15
Unkonwn Quantity Spilled:	False
Units:	Gallons

VANDALIA (Continued) **S102671636**

Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: SPILLAGE CAME OUT OF VENT ONTO SOIL, NYCHA PERSONNEL TO PICK UP DISPOSE.

H29
ENE
1/4-1/2
0.408 mi.
2152 ft.

VANDALIA HOUSES -NYCHA
17 VANDALIA AVENUE
BROOKLYN, NY

LTANKS **S106125372**
NY Spills **N/A**

Site 2 of 2 in cluster H

Relative:
Higher

Actual:
19 ft.

LTANKS:
Site ID: 214957
Spill No: 9011231
Spill Date: 1/23/1991
Spill Cause: Tank Overfill
Spill Source: Tank Truck
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 7/6/1993
Facility Addr2: Not reported
Cleanup Ceased: 7/6/1993
Cleanup Meets Standard: True
SWIS: 2401
Investigator: HEALY
Referred To: Not reported
Reported to Dept: 1/23/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Affected Persons
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1/29/1991
Spill Record Last Update: 1/11/2006
Spiller Name: Not reported
Spiller Company: NYCHA/RAD OIL
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 178091
DEC Memo: Not reported
Remarks: SPILLAGE CAME OUT OF VENT ONTO SOIL, NYCHA PERSONNEL TO PICK UP & DISPOSE.

Material:
Site ID: 214957

VANDALIA HOUSES -NYCHA (Continued) **S106125372**

Operable Unit ID:	948242
Operable Unit:	01
Material ID:	427782
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	214957
Spill Tank Test:	1538177
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

NY Spills:

Site ID:	102392
Facility Addr2:	Not reported
Facility ID:	0211342
Spill Number:	0211342
Facility Type:	ER
SWIS:	2401
Investigator:	SMSANGES
Referred To:	Not reported
Spill Date:	2/13/2003
Reported to Dept:	2/13/2003
CID:	257
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	3/13/2003
Remediation Phase:	0
Date Entered In Computer:	2/13/2003
Spill Record Last Update:	1/13/2006
Spiller Name:	P. ALMENDAREC
Spiller Company:	VANDALIA HOUSES
Spiller Address:	17 VANDALIA ST

VANDALIA HOUSES -NYCHA (Continued) **S106125372**

Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	MARIO MANDALONE
Contact Phone:	(718) 707-7839
DEC Region:	2
DER Facility ID:	178091
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND" CALLED MARIO MANDALONE WHO CONFIRNED THAT CLEAN-UP CREW IS ON THEIR WAY. E.R. MARIO MANDALONE CALLED AT 12.06 PM TO CONFIRMED THAT CLEAN-UP IS COMPLETED. OIL (APPROX. 20 GALS.) WAS CONTAINED IN A PIT. NO SOIL OR WATER WAS IMPACTED. E.R.
Remarks:	crew on the way to clean up

Material:

Site ID:	102392
Operable Unit ID:	864673
Operable Unit:	01
Material ID:	511134
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	148098
Facility Addr2:	Not reported
Facility ID:	0210638
Spill Number:	0210638
Facility Type:	ER
SWIS:	2401
Investigator:	SWKRASZE
Referred To:	Not reported
Spill Date:	1/23/2003
Reported to Dept:	1/23/2003
CID:	257
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party

VANDALIA HOUSES -NYCHA (Continued) **S106125372**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/4/2005
Remediation Phase:	0
Date Entered In Computer:	1/23/2003
Spill Record Last Update:	1/13/2006
Spiller Name:	P. ALMENDAREC
Spiller Company:	VANDALIA HOUSES
Spiller Address:	17 VANDALIA ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	P. ALMENDAREC
Contact Phone:	(718) 257-2717
DEC Region:	2
DER Facility ID:	178091
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY" ROMMEL DO 1/23/03 Spoke to Steve Sacaccio and Mario Man dalone at NYCHA. Twelve inches of oil in the sump pit (approximately 120 gallons). Oil was found in the vertical check pipe, but not in the house trap. Nevertheless, NYCDEP was notified of potential impact to sewer. NYCHA vac truck en route to site. Mario cell phone 917-923-5659, pager 917-641-8003; Steve Sacaccio 718-707-5722 (office). 11/04/05: This spill tranferred from J.Kolleeny to S.Kraszewski.
Remarks:	Onto concrete floor in boiler room and cleaned up.

Material:

Site ID:	148098
Operable Unit ID:	863987
Operable Unit:	01
Material ID:	514019
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	3
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

VANDALIA HOUSES -NYCHA (Continued) **S106125372**

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

I30 WSW 1/4-1/2 0.437 mi. 2306 ft. **GREEN POINT SAVINGS BANK 1425 ROCKAWAY PKWY BROOKLYN, NY** **HIST LTANKS** **S104782017 N/A**

Site 1 of 2 in cluster I

Relative: Higher

Actual: 20 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	0005301
Spill Date:	08/03/2000
Spill Time:	10:30
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	ROMMEL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	08/03/00
Reported to Department Time:	10:28
SWIS:	61
Spiller Contact:	DAN TUSINSKI
Spiller Phone:	(718) 706-2997
Spiller Extention:	Not reported
Spiller Name:	GREEN POINT SAVINGS BANK
Spiller Address:	1425 ROCKAWAY PKWY
Spiller City,St,Zip:	BROOKLYN
Spiller Cleanup Date:	/ /
Facility Contact:	DAN TUSINSKI
Facility Phone:	(718) 706-2997
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	08/03/00
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	08/03/00

GREEN POINT SAVINGS BANK (Continued) **S104782017**

Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 1
Tank Size: 3000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail
PBS Number: Not reported
Tank Number: 1
Tank Size: 3000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: POSS VENT FAILURE, WILL DIG UP AND RETEST.

I31 **GREENPOINT SAVINGS BANK** **LTANKS** **U000397592**
WSW **1425 ROCKAWAY PARKWAY** **UST** **N/A**
1/4-1/2 **BROOKLYN, NY 11236** **HIST UST**
0.437 mi.
2306 ft. **Site 2 of 2 in cluster I**

Relative:
Higher

Actual:
20 ft.

LTANKS:
Site ID: 349373
Spill No: 0504515
Spill Date: 7/15/2005
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Not reported
Spill Closed Dt: 10/21/2005
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 2401
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 7/15/2005
CID: 409
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Involvement: False

GREENPOINT SAVINGS BANK (Continued) **U000397592**

Remediation Phase: 0
Date Entered In Computer: 7/15/2005
Spill Record Last Update: 10/21/2005
Spiller Name: KEVIN CLEMENTS
Spiller Company: NORTHFORK BANK
Spiller Address: 5 GEEN ACERS RD.
Spiller City,St,Zip: VALLEY STREAM, NY 11581
Spiller County: 001
Spiller Contact: KEVIN
Spiller Phone: (516) 791-7772
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 7258
DEC Memo: 7/15/05. TTF letter has been sent
to:
Northfork Bank Mr. Kevin Clements 5 Green Acers Rd. Valley Stream
, NY
11581 YK. 8/2/05. J.Krimgold spoke to Jim Melnik (Pro Test 631-321
-4670). The "wet" portion of the tank failed the test. Suspected that
the tank was leaking. Excavated the top of the tank and found that
product line going to the old water heater (now removed) was not
properly caped. After caping this and petrometer line, system was
retested and passed. Report will follow up. 10/21/05. NFA. YK.
Remarks: NO REMARKS

Material:
Site ID: 349373
Operable Unit ID: 1106967
Operable Unit: 01
Material ID: 2096292
Material Code: 0001
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 349373
Spill Tank Test: 1549079
Tank Number: 1
Tank Size: 3000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 7/15/2005
Test Method: Horner EZ Check I or II

Site ID: 276407
Spill No: 0005301
Spill Date: 8/3/2000

GREENPOINT SAVINGS BANK (Continued) **U000397592**

Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	9/27/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	JRSTRANG
Referred To:	Not reported
Reported to Dept:	8/3/2000
CID:	323
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/3/2000
Spill Record Last Update:	9/27/2005
Spiller Name:	DAN TUSINSKI
Spiller Company:	GREEN POINT SAVINGS BANK
Spiller Address:	1425 ROCKAWAY PKWY
Spiller City,St,Zip:	BROOKLYN, ZZ
Spiller County:	001
Spiller Contact:	DAN TUSINSKI
Spiller Phone:	(718) 706-2997
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	224717
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD" 01/26/04 transferred from Rommel to Austin 02/17/04: Reassigned from AUSTIN to KRIMGOLD. 9/12/05 -transferred from Krimgold to Strang Tank retested and passed.
Remarks:	POSS VENT FAILURE, WILL DIG UP AND RETEST.

Material:

Site ID:	276407
Operable Unit ID:	826347
Operable Unit:	01
Material ID:	550030
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	276407

GREENPOINT SAVINGS BANK (Continued) **U000397592**

Spill Tank Test:	1525811
Tank Number:	1
Tank Size:	3000
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

UST:

Facility Id:	2-206350
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2007/06/30
UTM X:	592797.19949000003
UTM Y:	4499926.9951999998

Affiliation Records:

Site Id:	7267
Affiliation Type:	Owner
Company Name:	THE GREENPOINT SAVINGS BANK
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	807 MANHATTAN AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11222
Country Code:	001
Phone:	(718) 706-2996
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	EJCALIFA
Date Last Modified:	10/6/2008

Site Id:	7267
Affiliation Type:	Mail Contact
Company Name:	GREENPOINT SAVINGS BANK
Contact Type:	Not reported
Contact Name:	MR. DANIEL TUSINSKI
Address1:	807 MANHATTAN AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11222
Country Code:	001
Phone:	(718) 706-2996
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

GREENPOINT SAVINGS BANK (Continued) **U000397592**

Site Id:	7267
Affiliation Type:	On-Site Operator
Company Name:	THE GREENPOINT SAVINGS BANK
Contact Type:	Not reported
Contact Name:	DANIEL TUSINSKI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 706-2996
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	7267
Affiliation Type:	Emergency Contact
Company Name:	THE GREENPOINT SAVINGS BANK
Contact Type:	Not reported
Contact Name:	BAYSIDE FUEL OIL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-4000
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Info:

Site ID:	7267
Tank Number:	001
Tank ID:	9510
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1954-12-01 00:00:00
Capacity Gallons:	3000
Tightness Test Method:	21

GREENPOINT SAVINGS BANK (Continued) **U000397592**

Next Test Date:	2010-08-01 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2005-08-01 00:00:00
Register:	True
Modified By:	EXROSSAN
Last Modified:	2005-09-27 00:00:00

HIST UST:

PBS Number:	2-206350
SPDES Number:	Not reported
Emergency Contact:	BAYSIDE FUEL OIL
Emergency Telephone:	(718) 946-4000
Operator:	DANIEL TUSINSKI
Operator Telephone:	(718) 706-2996
Owner Name:	GREENPOINT SAVINGS BANK
Owner Address:	807 MANHATTAN AVE
Owner City,St,Zip:	BROOKLYN, NY 11222
Owner Telephone:	(718) 706-2996
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	GREENPOINT SAVINGS BANK
Mailing Address:	807 MANHATTAN AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11222
Mailing Contact:	MR. DANIEL TUSINSKI
Mailing Telephone:	(718) 706-2996
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	1425 ROCKAWAY PARKWAY
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/25/1997
Expiration Date:	06/30/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

GREENPOINT SAVINGS BANK (Continued) **U000397592**

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19541201
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	08/05/2000
Next Test Date:	08/05/2005
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

J32 **875 WILLIAMS STREET** **HIST LTANKS** **S101509048**
North **875 WILLIAMS ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.449 mi.
2372 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
10 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9500631
Spill Date:	04/13/1995
Spill Time:	10:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	04/17/95
Reported to Department Time:	10:01
SWIS:	61

875 WILLIAMS STREET (Continued) **S101509048**

Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: SAME
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (718) 649-0442
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/15/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 08/09/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: Not reported
Spill Cause: ATTEMPTED TO CONTACT FLOYD LIVERMONE, N/A 4/17/95 1:30 P.M., MIKE GIUSTINIANI - STATE ENVIRONMENT - TANKS TO BE PUMPED OUT -

J33 North 1/4-1/2 0.449 mi. 2372 ft. | **PUBLIC SCHOOL 260 - BROOKLYN**
875 WILLIAMS AVENUE
BROOKLYN, NY 11207 | **LTANKS UST HIST UST** | **U000409385 N/A**

Site 2 of 2 in cluster J

Relative: Higher

Actual: 10 ft.

LTANKS:

Site ID:	63458
Spill No:	9500631
Spill Date:	4/13/1995
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	Not reported
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	2401
Investigator:	LXZIELIN
Referred To:	Not reported
Reported to Dept:	4/17/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	5/15/1995
Spill Record Last Update:	6/30/2010
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	61296
DEC Memo:	6/20/05- Reassigned to Benjamin 1/20/10. J.Krimgold reviewed the case and found that the i nitialy report address Williams Street does not exists in NYC. Most likely the address is Williams Avenue. This address corresponds with PS 260 and this facility has a UST that stors #4 oil. TTF letter was sent to: Raymond Correa NYC Board of Education 28-11 Queens Plaza North, L.I.C., NY 11101
Remarks:	ATTEMPTED TO CONTACT FLOYD LIVERMONE, N/A 4/17/95 1:30 P.M., MIKE GIUSTINIANI - STATE ENVIRONMENT - TANKS TO BE PUMPED OUT -

Material:

Site ID:	63458
Operable Unit ID:	1011526
Operable Unit:	01
Material ID:	369249
Material Code:	0002
Material Name:	#4 Fuel Oil

PUBLIC SCHOOL 260 - BROOKLYN (Continued) **U000409385**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	63458
Spill Tank Test:	1543742
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

UST:

Facility Id:	2-354309
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2013/06/28
UTM X:	593430.52711000002
UTM Y:	4500881.7143700002

Affiliation Records:

Site Id:	17611
Affiliation Type:	Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	JAMES A. MERLO
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/27/2011

Site Id:	17611
Affiliation Type:	Mail Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	JAMES A. MERLO
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD

PUBLIC SCHOOL 260 - BROOKLYN (Continued) **U000409385**

City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	JMERLO@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	9/2/2008

Site Id:	17611
Affiliation Type:	On-Site Operator
Company Name:	PUBLIC SCHOOL 260 - BROOKLYN
Contact Type:	Not reported
Contact Name:	PLANT OPERATIONS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 349-5400
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17611
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	SCHOOL SAFETY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 935-3300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/29/2011

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating

PUBLIC SCHOOL 260 - BROOKLYN (Continued) **U000409385**

I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	17611
Tank Number:	001
Tank ID:	34482
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1953-08-28 00:00:00
Capacity Gallons:	7500
Tightness Test Method:	03
Next Test Date:	2011-01-24 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2006-01-24 00:00:00
Register:	True
Modified By:	dxliving
Last Modified:	2008-05-13 00:00:00

Site ID:	17611
Tank Number:	002
Tank ID:	34483
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	1953-08-28 00:00:00
Capacity Gallons:	7500
Tightness Test Method:	21
Next Test Date:	2011-01-26 00:00:00
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	2006-01-26 00:00:00
Register:	True
Modified By:	dxliving
Last Modified:	2008-05-13 00:00:00

HIST UST:

PBS Number:	2-354309
SPDES Number:	Not reported
Emergency Contact:	SCHOOL SAFETY

PUBLIC SCHOOL 260 - BROOKLYN (Continued) **U000409385**

Emergency Telephone:	(212) 979-3300
Operator:	PLANT OPERATION
Operator Telephone:	(718) 391-6000
Owner Name:	CITY OF NEW YORK C/O BOARD OF EDUCATION
Owner Address:	28-11 QUEENS PLAZA NORTH
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Telephone:	(718) 391-6832
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Name:	BOARD OF EDUCATION
Mailing Address:	28-11 QUEENS PLAZA NORTH
Mailing Address 2:	5TH FLOOR
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	FRANK CARDELLO NTROL
Mailing Telephone:	(718) 391-6832
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	875 WILLIAMS AV
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	SCHOOL
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	05/15/2000
Expiration Date:	06/28/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	15000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported

PUBLIC SCHOOL 260 - BROOKLYN (Continued) **U000409385**

Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	04/12/2000
Next Test Date:	04/12/2005
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	04/12/2000
Next Test Date:	04/12/2005
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

34
WSW
1/4-1/2
0.472 mi.
2490 ft.

ADULTS RETARDED CENTER **LTANKS** **S104073271**
1121 E 96TH ST **HIST LTANKS** **N/A**
BROOKLYN, NY

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	99489
Spill No:	9803055
Spill Date:	6/9/1998
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	2/23/2000
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False

ADULTS RETARDED CENTER (Continued) **S104073271**

SWIS:	2401
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	6/9/1998
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/9/1998
Spill Record Last Update:	2/23/2000
Spiller Name:	MR JAMIE PEREZ
Spiller Company:	ADULTS RETARDED CENTER
Spiller Address:	1121 E 96TH ST
Spiller City,St,Zip:	BROOKLYN, ZZ
Spiller County:	001
Spiller Contact:	MR JAMIE PEREZ
Spiller Phone:	(718) 531-7500
Spiller Extention:	320
DEC Region:	2
DER Facility ID:	88401
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE" ACCORDING TPO PROTEST LETTER DATED 9/1/98, FAILURE WAS DUE TO BROKEN VENT LINEAND PETROMETER. SYSTEM WAS REPAIRED AND RETESTED AND PASSED. PROTEST NOTED IN LETTER THAT THE TOP OF THE TANK WAS EXCAVATED TO MAKE REPAIRS AND THAT NO CONTAMINATION WAS FOUND.
Remarks:	WILL EXCAVATE AND RETEST

Material:

Site ID:	99489
Operable Unit ID:	1063707
Operable Unit:	01
Material ID:	321384
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	99489
Spill Tank Test:	1545962
Tank Number:	1
Tank Size:	2000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

ADULTS RETARDED CENTER (Continued) **S104073271**

HIST LTANKS:

Region of Spill:	2
Spill Number:	9803055
Spill Date:	06/09/1998
Spill Time:	10:30
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/23/00
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	06/09/98
Reported to Department Time:	11:05
SWIS:	61
Spiller Contact:	MR JAMIE PEREZ
Spiller Phone:	(718) 531-7500
Spiller Extention:	320
Spiller Name:	ADULTS RETARDED CENTER
Spiller Address:	1121 E 96TH ST
Spiller City,St,Zip:	BROOKLYN
Spiller Cleanup Date:	/ /
Facility Contact:	MR JAMIE PEREZ
Facility Phone:	(718) 531-7500
Facility Extention:	320
Spill Notifier:	Tank Tester
PBS Number:	0-000000
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	06/09/98
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	02/23/00
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	1
Tank Size:	2000
Test Method:	Horner EZ Check
Leak Rate Failed Tank:	0.00

ADULTS RETARDED CENTER (Continued) **S104073271**

Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: ACCORDING TPO PROTEST LETTER DATED 9/1/98, FAILURE WAS DUE TO BROKEN VENT LINEAND PETROMETER. SYSTEM WAS REPAIRED AND RETESTED AND PASSED. PROTEST NOTED IN LETTER THAT THE TOP OF THE TANK WAS EXCAVATED TO MAKE REPAIRS AND THAT NO CONTAMINATION WASFOUND.
Spill Cause: WILL EXCAVATE AND RETEST

35
WNW
1/4-1/2
0.490 mi.
2586 ft.

VACANT PROPERTY **LTANKS** **S102555955**
484 EAST 101 ST STREET **HIST LTANKS** **N/A**
BROOKLYN, NY

Relative:
Higher

Actual:
10 ft.

LTANKS:
Site ID: 192081
Spill No: 9614253
Spill Date: 3/7/1997
Spill Cause: Tank Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 3/7/1997
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 2401
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 3/7/1997
CID: 282
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 3/7/1997
Spill Record Last Update: 5/27/1997
Spiller Name: SAME
Spiller Company: SAME
Spiller Address: Not reported
Spiller City,St,Zip: NY 11236-
Spiller County: 001
Spiller Contact: N/A
Spiller Phone: Not reported

VACANT PROPERTY (Continued) **S102555955**

Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	160183
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE" 3/7/97: SEE FILE IN FIELD OFFICE
Remarks:	THEY DID A TANK CLOSURE LAST FALL MARK TIBBE IS WORKING ON THIS SPILL CALL AND TOLD THE REPORTER TO CALL FOR A NEW NUMBER

Material:

Site ID:	192081
Operable Unit ID:	1041754
Operable Unit:	01
Material ID:	339357
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9614253
Spill Date:	03/07/1997
Spill Time:	15:56
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/07/97
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported

VACANT PROPERTY (Continued) **S102555955**

Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 03/07/97
Reported to Department Time: 15:56
SWIS: 61
Spiller Contact: N/A
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: SAME
Spiller Address: Not reported
Spiller City,St,Zip: NY 11236-
Spiller Cleanup Date: / /
Facility Contact: SAME
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Other
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/07/97
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 05/27/97
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 3/7/97: SEE FILE IN FIELD OFFICE
Spill Cause: THEY DID A TANK CLOSURE LAST FALL MARK TIBBE IS WORKING ON THIS SPILL CALL AND TOLD THE REPORTER TO CALL FOR A NEW NUMBER

Count: 20 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	1000268846	MEEKER AVE	MEEKER AVE		FINDS,MANIFEST,HIST SPILLS,SPILLS,RCRA-NLR
BROOKLYN	1006817526	NYCDOT LIBERTY AVE BRIDGE #2243850	LIBERTY AVE BRG OVER LIRR	11207	RCRA-NLR
BROOKLYN	1006817527	NYCDOT GLENMORE AVE BRIDGE #224386	GLENMORE AVE BRG OVER LIRR	11207	RCRA-NLR
BROOKLYN	1006817528	NYCDOT PITKIN AVE BRIDGE #2243870	PITKIN AVE BRG OVER LIRR	11207	RCRA-NLR
BROOKLYN	1007056949	NYCDOT LIBERTY AVE BRIDGE #2243850	LIBERTY AVE BRG OVER LIRR	11207	FINDS
BROOKLYN	1007056950	NYCDOT GLENMORE AVE BRIDGE #224386	GLENMORE AVE BRG OVER LIRR	11207	FINDS
BROOKLYN	1007056951	NYCDOT PITKIN AVE BRIDGE #2243870	PITKIN AVE BRG OVER LIRR	11207	FINDS
BROOKLYN	1007056953	NYCDOT SUTTER AVE BRIDGE #2243890	SUTTER AVE BRG OVER LIRR	11207	FINDS
BROOKLYN	1007208397	CONSOLIDATED EDISON	MH38210-KINGS HWY & W 7TH ST		RCRA-NLR,MANIFEST
BROOKLYN	1007811561	NYC DOT-FLATLANDS AVE	ROCKAWAY PKY/FOUNTAIN AVE/CRES	11236	FINDS
BROOKLYN	1007881038	NYCTA-CPM ENVIRO ENG DIV	E 105TH ST STATION	11236	RCRA-SQG,MANIFEST,MANIFEST
BROOKLYN	1010787649	NYSDOT BIN 2231529	RTE 907C OVER HENDRIX CREEK	11239	RCRA-LQG
BROOKLYN	S102142527	E 29TH ST & KINGS HWY	E 29TH ST & KINGS HWY		SPILLS,HIST SPILLS
BROOKLYN	S103938400	BOX 38486	KINGS HIGHWAY/ROCKAWAY PK		SPILLS,HIST SPILLS
BROOKLYN	S106737045	BETW/AVE X &	KINGS HIGHWAY AVE U		SPILLS
BROOKLYN	S107407580	KINGS HIGHWAY MOBIL	KINGS HIGHWAY		SPILLS
BROOKLYN	S109064521	BELL ATLANTIC-NY	E 94 ST/BET CLARKSON AVE KINGS		MANIFEST
	S109207895	205842; KINGS HWY	KINGS HWY		SPILLS
BROOKLYN	S111011715	ROADWAY	KINGS HIGHWAY AND OCEAN PARKWA		SPILLS
BROOKLYN	S111011885	TO ROADWAY	KINGS HWY AND EAST 16TH ST		SPILLS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/07/2011
Date Data Arrived at EDR: 10/12/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 141

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/07/2011
Date Data Arrived at EDR: 10/12/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 141

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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

Date of Government Version: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/12/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/30/2011
Date Data Arrived at EDR: 12/30/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/30/2011
Date Data Arrived at EDR: 12/30/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/16/2011
Number of Days to Update: 21

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/24/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

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

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/11/2012
Date Data Arrived at EDR: 01/11/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

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

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

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. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/07/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/21/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 50

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

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

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 01/03/2012
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 18

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011
Date Data Arrived at EDR: 11/29/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 42

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/21/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 50

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/10/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 03/30/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/27/2011	Telephone: 202-566-2777
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/26/2012
Number of Days to Update: 137	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 01/11/2012	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/11/2012	Telephone: 518-402-8705
Date Made Active in Reports: 01/27/2012	Last EDR Contact: 01/09/2012
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/23/2012
	Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/15/2006	Telephone: 518-402-8694
Date Made Active in Reports: 11/30/2006	Last EDR Contact: 01/27/2012
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/07/2012
	Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 10/07/2011
Date Data Arrived at EDR: 12/09/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 32

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/06/2012
Next Scheduled EDR Contact: 06/18/2012
Data Release Frequency: Quarterly

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

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011
Date Data Arrived at EDR: 09/16/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 02/14/2012
Date Data Arrived at EDR: 02/16/2012
Date Made Active in Reports: 03/09/2012
Number of Days to Update: 22

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Annually

SPILLS: Spills Information Database

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

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/28/2012
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/29/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). 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 SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

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

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 94

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/07/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 01/25/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 36

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 09/28/2011
Date Data Arrived at EDR: 12/14/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 27

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/14/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/28/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/07/2012
Next Scheduled EDR Contact: 06/18/2012
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/28/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/28/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/10/2012
Date Data Arrived at EDR: 01/12/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/10/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/13/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/12/2011
Date Data Arrived at EDR: 12/14/2011
Date Made Active in Reports: 01/24/2012
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 12/14/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/10/2012
Date Data Arrived at EDR: 02/09/2012
Date Made Active in Reports: 03/09/2012
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/09/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 12/20/2011
Date Data Arrived at EDR: 12/30/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 26

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 10/18/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 11/15/2011
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/24/2011
Date Made Active in Reports: 11/03/2011
Number of Days to Update: 71

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 10/05/2011
Date Data Arrived at EDR: 01/03/2012
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 22

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 03/30/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/03/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 01/11/2012
Date Data Arrived at EDR: 01/11/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 01/10/2012
Date Data Arrived at EDR: 01/11/2012
Date Made Active in Reports: 01/27/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: N/A

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/16/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 41

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 04/10/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 41

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 04/10/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 12/19/2011
Date Data Arrived at EDR: 12/20/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 36

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 12/19/2011
Date Data Arrived at EDR: 12/20/2011
Date Made Active in Reports: 01/25/2012
Number of Days to Update: 36

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Annually

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 02/14/2012
Date Data Arrived at EDR: 02/16/2012
Date Made Active in Reports: 03/08/2012
Number of Days to Update: 21

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 02/14/2012
Date Data Arrived at EDR: 02/16/2012
Date Made Active in Reports: 03/08/2012
Number of Days to Update: 21

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/20/2012
Date Data Arrived at EDR: 02/20/2012
Date Made Active in Reports: 03/15/2012
Number of Days to Update: 24

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/20/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/20/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/17/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/26/2012
Date Made Active in Reports: 03/06/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/23/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/28/2012
Date Made Active in Reports: 04/05/2012
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/23/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

10504 FLATLANDS AVE,
10504 FLATLANDS AVE,
BROOKLYN, NY 11236

TARGET PROPERTY COORDINATES

Latitude (North):	40.6475 - 40˚ 38' 51.00''
Longitude (West):	73.8946 - 73˚ 53' 40.56''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	593462.8
UTM Y (Meters):	4500003.5
Elevation:	10 ft. above sea level

USGS TOPOGRAPHIC MAP

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

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

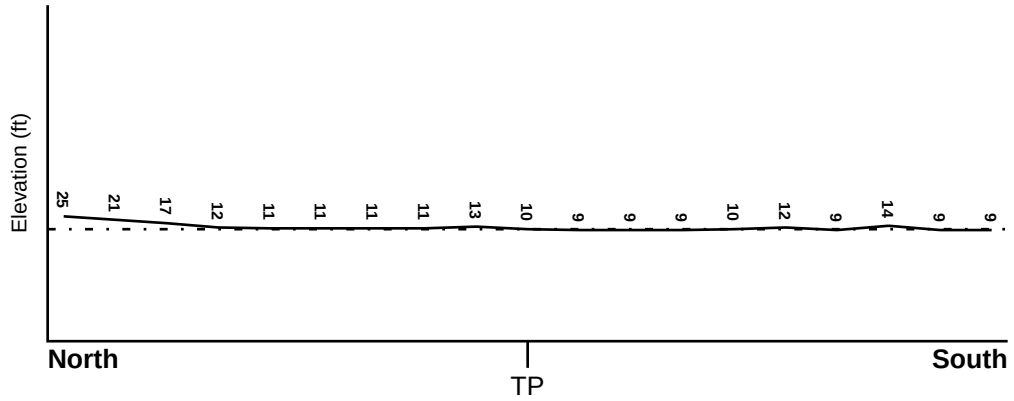
TOPOGRAPHIC INFORMATION

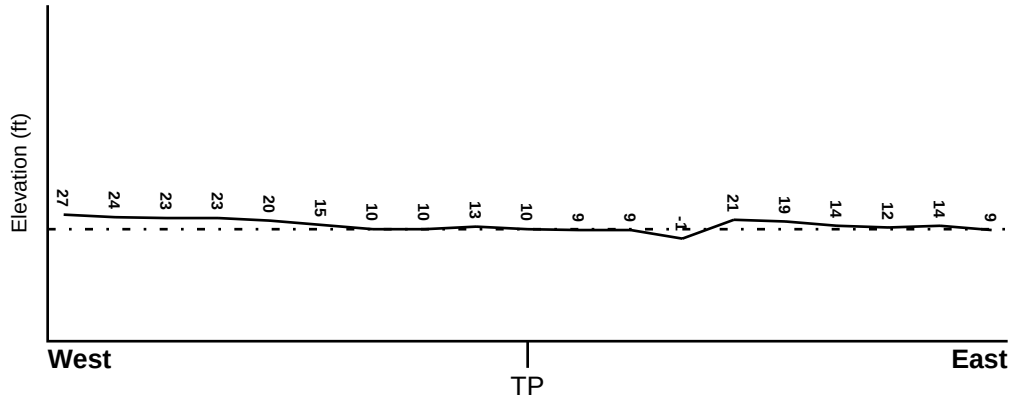
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 10 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
KINGS, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	360497 - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile ESE
Site Name:	PENNSYLVANIA/FOUNTAIN AVE LF
Site EPA ID Number:	NY6141790018
Groundwater Flow Direction:	TOWARD JAMAICA BAY.
Measured Depth to Water:	approximately 5 to 10 feet above mean sea level.
Hydraulic Connection:	Detailed hydraulic connection information is not available. The site is underlain by silt, sand, and gravel to a depth of approximately 55 feet. The Gardiners Clay unit underlies the upper silt, sand, and gravel, and is estimated to be 20 feet thick.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene
Code:	Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS2120874	1/4 - 1/2 Mile SSW
A2	USGS2120873	1/4 - 1/2 Mile SSW
3	USGS2120429	1/2 - 1 Mile WNW
4	USGS2120814	1/2 - 1 Mile South
5	USGS2120124	1/2 - 1 Mile NNW
6	USGS2120852	1/2 - 1 Mile SE
7	USGS2120525	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3278623.2s

County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn NY 11236 LAT/LONG: 40.6475 / 73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY #: 3278623.2s DATE: April 18, 2012 5:04 pm

Copyright © 2012 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **SSW** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS2120874**

Agency cd:	USGS	Site no:	403827073535202
Site name:	K 3255. 2		
Latitude:	403827	EDR Site id:	USGS2120874
Longitude:	0735352	Dec lat:	40.64093731
Dec lon:	-73.89735865	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KG1566	Map scale:	Not Reported
Altitude:	17.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19980624
Date inventoried:	19980624	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	GLACIAL AQUIFER,UPPER		
Well depth:	25	Hole depth:	25
Source of depth data:	owner		
Project number:	443600240		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1999-07-12
Water quality data end date:	2003-06-26	Water quality data count:	3
Ground water data begin date:	1998-07-28	Ground water data end date:	2005-02-15
Ground water data count:	79		

Ground-water levels, Number of Measurements: 0

A2 **SSW** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS2120873**

Agency cd:	USGS	Site no:	403827073535201
Site name:	K 3255. 1		
Latitude:	403827	EDR Site id:	USGS2120873
Longitude:	0735352	Dec lat:	40.64093731
Dec lon:	-73.89735865	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KG1566	Map scale:	Not Reported

Altitude:	16.8		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	GLACIAL AQUIFER,UPPER		
Well depth:	24.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1981-02-11
Water quality data end date:	1992-09-03	Water quality data count:	3
Ground water data begin date:	1980-09-23	Ground water data end date:	1999-06-24
Ground water data count:	60		

Ground-water levels, Number of Measurements: 0

3
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS2120429**

Agency cd:	USGS	Site no:	403859073542901
Site name:	K 3122. 1		
Latitude:	403859	EDR Site id:	USGS2120429
Longitude:	0735429	Dec lat:	40.64982602
Dec lon:	-73.90763672	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KG1522	Map scale:	Not Reported
Altitude:	20.0		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	GLACIAL AQUIFER,UPPER		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	1969-01-15
Water quality data end date:	1969-01-15	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

4
South
1/2 - 1 Mile
Higher

FED USGS **USGS2120814**

Agency cd:	USGS	Site no:	403813073535101
Site name:	K 247. 1		
Latitude:	403813	EDR Site id:	USGS2120814
Longitude:	0735351	Dec lat:	40.6370485
Dec lon:	-73.89708086	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KG1568	Map scale:	Not Reported
Altitude:	15.0		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	189.	Hole depth:	190.
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

5
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS2120124**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	403929073535701
Site name:	K 619. 1		
Latitude:	403929	EDR Site id:	USGS2120124
Longitude:	0735357	Dec lat:	40.6581592
Dec lon:	-73.89874759	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KG1467	Map scale:	Not Reported
Altitude:	25.0		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	450.	Hole depth:	451.
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1950-03-08	Ground water data end date:	1962-01-03
Ground water data count:	82		

Ground-water levels, Number of Measurements: 82

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1962-01-03		4.63	1957-12-30		4.63
1957-09-24		4.12	1957-06-27		4.39
1957-03-28		4.65	1956-12-26		4.86
1956-11-29		4.80	1956-10-25		4.69
1956-10-02		4.78	1956-07-10		4.80
1956-06-05		4.88	1956-05-15		5.12
1956-03-06		5.16	1956-02-07		5.15
1955-12-22		4.83	1955-11-15		5.22
1955-10-07		4.81	1955-08-25		4.58
1955-07-26		4.21	1955-06-23		4.68
1955-05-24		4.89	1955-04-28		6.12
1955-03-29		5.37	1955-02-25		5.22
1955-01-26		5.24	1954-12-28		4.92
1954-12-02		5.05	1954-10-29		4.74
1954-09-28		4.46	1954-08-25		4.21
1954-07-29		4.12	1954-06-30		4.43
1954-05-26		4.77	1954-04-29		4.64
1954-03-31		4.44	1954-02-25		4.56
1953-12-21		4.37	1953-12-01		4.48
1953-10-26		4.53	1953-09-24		4.09
1953-08-27		4.43	1953-07-31		4.40
1953-06-23		4.89	1953-05-26		4.99

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1953-04-29		4.94	1953-03-24		5.20
1953-02-26		4.77	1953-02-04		4.75
1952-12-23		4.79	1952-12-04		4.49
1952-11-04		4.00	1952-09-23		4.04
1952-08-26		3.62	1952-07-29		4.17
1952-06-23		4.23	1952-05-26		4.67
1952-04-28		4.58	1952-03-20		4.72
1952-02-19		4.14	1952-01-28		4.14
1951-12-20		3.78	1951-11-29		3.84
1951-09-26		3.57	1951-08-28		3.64
1951-07-24		3.70	1951-06-27		4.14
1951-05-29		4.48	1951-05-01		3.86
1951-03-26		3.94	1951-02-23		4.01
1951-01-30		3.52	1950-12-18		4.04
1950-11-27		4.34	1950-10-30		3.75
1950-09-26		3.41	1950-08-28		3.30
1950-07-26		3.16	1950-06-28		3.17
1950-06-05		3.32	1950-04-27		3.10
1950-03-29		3.03	1950-03-08		2.52

6
SE **FED USGS** **USGS2120852**
1/2 - 1 Mile
Lower

Agency cd:	USGS	Site no:	403822073525501
Site name:	K 2860. 1		
Latitude:	403822	EDR Site id:	USGS2120852
Longitude:	0735255	Dec lat:	40.63954845
Dec lon:	-73.88152487	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KH1537	Map scale:	Not Reported
Altitude:	10.0		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	216.
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

7
West **FED USGS** **USGS2120525**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	403847073545008
Site name:	K 1141. 1		
Latitude:	403847	EDR Site id:	USGS2120525
Longitude:	0735450	Dec lat:	40.64649275
Dec lon:	-73.91347022	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KF1593	Map scale:	Not Reported
Altitude:	19.0		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	GLACIAL AQUIFER,UPPER		
Well depth:	72.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1936-10-24	Ground water data end date:	1971-03-08
Ground water data count:	385		

Ground-water levels, Number of Measurements: 385

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1971-03-08		6.59	1970-11-02		5.98
1970-03-16		5.89	1969-11-13		7.53
1969-09-05		6.30	1969-04-02		5.42
1968-04-30		5.37	1967-10-23		5.15
1967-03-29		5.24	1966-10-24		9.70
1966-05-03		4.50	1965-11-02		4.43
1965-09-22		4.57	1964-11-04		4.83
1964-04-24		5.33	1963-04-24		5.07
1961-12-27		4.87	1961-01-04		5.06
1960-09-09		5.08	1960-01-14		4.72

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1959-03-20		5.89
1956-01-18		4.10
1954-06-30		3.83
1954-04-29		3.81
1954-02-27		3.66
1953-12-04		4.13
1953-10-26		3.67
1953-08-27		4.22
1953-06-23		4.53
1953-04-29		4.74
1953-02-26		3.70
1952-12-23		3.56
1952-11-04		3.43
1952-08-26		4.09
1952-06-23		4.15
1952-04-28		3.69
1952-02-19		3.09
1951-12-19		2.44
1951-11-02		1.94
1951-08-28		2.25
1951-06-27		2.43
1951-05-01		2.43
1951-02-23		1.87
1950-12-18		1.38
1950-10-30		1.01
1950-08-28		1.09
1950-07-12		1.10
1950-06-13		1.06
1950-05-18		1.05
1950-04-17		1.12
1950-03-16		0.93
1950-02-09		0.52
1950-01-12		0.30
1949-12-15		0.26
1949-11-17		0.32
1949-10-17		0.13
1949-09-20		0.26
1949-08-19		0.43
1949-07-14		0.54
1949-06-16		0.66
1949-05-12		0.44
1949-04-18		0.08
1949-03-21		0.17
1949-02-23		0.19
1949-01-26		-0.08
1948-12-28		-0.93
1948-11-24		-1.01
1948-10-21		-1.04
1948-09-01		-0.71
1948-06-30		-1.44
1948-04-28		-2.39
1948-03-03		-4.08
1947-12-17		-5.57
1947-11-20		-5.62
1947-10-20		-6.37

Date	Feet below Surface	Feet to Sealevel
1956-12-20		4.64
1954-12-28		4.25
1954-05-26		4.03
1954-03-27		3.69
1954-01-30		3.76
1953-12-01		3.80
1953-09-24		3.90
1953-07-31		4.36
1953-05-26		5.08
1953-03-24		4.34
1953-02-04		3.47
1952-12-04		3.33
1952-09-23		3.80
1952-07-25		4.03
1952-05-26		4.03
1952-03-20		3.37
1952-01-28		2.98
1951-11-28		2.43
1951-09-25		1.98
1951-07-24		2.22
1951-05-28		2.55
1951-03-26		2.17
1951-01-29		1.57
1950-11-27		1.12
1950-09-26		0.90
1950-07-26		1.09
1950-06-28		1.05
1950-06-01		1.14
1950-05-04		1.11
1950-03-30		1.03
1950-02-28		0.89
1950-01-25		0.35
1949-12-27		0.34
1949-11-30		0.29
1949-11-01		0.18
1949-09-29		0.25
1949-09-01		0.30
1949-07-28		0.43
1949-06-30		0.57
1949-06-01		0.63
1949-04-28		0.18
1949-04-04		0.08
1949-03-02		0.19
1949-02-16		0.16
1949-01-14		-0.26
1948-12-13		-0.96
1948-11-03		-1.02
1948-10-04		-0.97
1948-07-27		-0.78
1948-06-02		-1.88
1948-03-26		-2.09
1948-01-05		-4.98
1947-11-26		-5.62
1947-10-29		-6.27
1947-10-14		-6.42

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1947-10-06		-6.47
1947-09-16		-6.79
1947-08-14		-7.04
1947-07-22		-7.23
1947-07-07		-7.31
1947-07-01		-7.76
1947-05-27		-7.23
1947-04-03		-7.40
1947-01-27		-7.52
1946-11-26		-7.31
1946-09-27		-6.91
1946-07-30		-6.41
1946-06-21		-6.22
1946-04-12		-6.74
1946-02-08		-6.71
1945-12-04		-7.35
1945-09-28		-7.31
1945-07-03		-7.03
1945-04-27		-6.92
1940-12-28		-7.04
1940-12-14		-7.00
1940-11-30		-6.93
1940-11-09		-6.92
1940-10-26		-6.86
1940-10-12		-6.79
1940-09-28		-6.75
1940-09-14		-6.73
1940-08-31		-6.65
1940-08-17		-6.59
1940-08-03		-6.50
1940-07-20		-6.37
1940-06-29		-6.26
1940-06-15		-6.28
1940-06-01		-6.40
1940-05-18		-6.47
1940-05-04		-6.67
1940-04-20		-6.76
1940-04-06		-6.86
1940-03-23		-6.95
1940-03-09		-6.98
1940-02-24		-7.21
1940-02-10		-7.22
1940-01-27		-7.14
1940-01-13		-7.10
1939-12-30		-6.98
1939-12-16		-6.90
1939-12-02		-6.84
1939-11-18		-6.73
1939-11-04		-6.68
1939-10-21		-6.68
1939-10-07		-6.57
1939-09-23		-6.47
1939-09-09		-6.31
1939-08-26		-6.23
1939-08-12		-6.15

Date	Feet below Surface	Feet to Sealevel
1947-09-29		-6.54
1947-08-27		-6.88
1947-07-30		-7.14
1947-07-16		-7.17
1947-07-02		-7.74
1947-06-24		-7.32
1947-05-07		-7.15
1947-03-05		-7.50
1946-12-30		-7.49
1946-10-26		-7.11
1946-08-29		-6.66
1946-07-05		-6.29
1946-05-09		-6.95
1946-02-25		-6.79
1946-01-10		-6.90
1945-11-06		-7.51
1945-09-13		-7.29
1945-06-05		-6.84
1945-04-04		-6.75
1940-12-21		-7.01
1940-12-07		-6.95
1940-11-23		-6.89
1940-11-02		-6.90
1940-10-19		-6.83
1940-10-05		-6.77
1940-09-21		-6.76
1940-09-07		-6.69
1940-08-24		-6.63
1940-08-10		-6.54
1940-07-27		-6.44
1940-07-06		-6.30
1940-06-22		-6.29
1940-06-08		-6.32
1940-05-25		-6.45
1940-05-11		-6.62
1940-04-28		-6.64
1940-04-13		-6.80
1940-03-30		-6.86
1940-03-16		-6.98
1940-03-02		-7.20
1940-02-17		-7.21
1940-02-03		-7.17
1940-01-20		-7.08
1940-01-06		-7.06
1939-12-23		-6.97
1939-12-09		-6.87
1939-11-25		-6.79
1939-11-11		-6.70
1939-10-28		-6.70
1939-10-14		-6.62
1939-09-30		-6.51
1939-09-16		-6.39
1939-09-02		-6.28
1939-08-19		-6.20
1939-08-05		-6.06

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1939-07-29		-5.97
1939-07-15		-5.80
1939-07-01		-5.65
1939-06-17		-5.50
1939-06-03		-5.36
1939-05-20		-5.20
1939-05-06		-5.02
1939-04-22		-4.89
1939-04-08		-5.01
1939-03-24		-5.17
1939-03-10		-5.37
1939-02-24		-5.53
1939-02-10		-5.68
1939-01-27		-6.06
1939-01-13		-5.98
1938-12-30		-5.91
1938-12-16		-5.78
1938-12-02		-5.66
1938-11-18		-5.45
1938-11-04		-5.23
1938-10-21		-4.99
1938-10-07		-4.74
1938-09-23		-4.81
1938-09-09		-5.27
1938-08-26		-4.91
1938-08-12		-4.90
1938-07-29		-5.22
1938-07-16		-5.70
1938-07-02		-5.77
1938-06-18		-5.95
1938-06-04		-6.01
1938-05-21		-5.94
1938-05-07		-5.92
1938-04-23		-5.85
1938-04-09		-5.85
1938-03-26		-5.81
1938-03-12		-5.79
1938-02-26		-5.70
1938-02-12		-5.64
1938-01-29		-5.56
1938-01-15		-5.58
1938-01-01		-5.62
1937-12-18		-5.52
1937-12-04		-5.51
1937-11-20		-5.55
1937-11-06		-5.50
1937-10-23		-5.51
1937-10-09		-5.62
1937-09-25		-5.49
1937-09-11		-5.64
1937-08-28		-5.67
1937-08-14		-5.71
1937-07-31		-5.80
1937-07-17		-5.69
1937-07-03		-5.58

Date	Feet below Surface	Feet to Sealevel
1939-07-22		-5.89
1939-07-08		-5.72
1939-06-24		-5.59
1939-06-10		-5.44
1939-05-27		-5.28
1939-05-13		-5.12
1939-04-29		-4.95
1939-04-15		-4.89
1939-03-31		-5.12
1939-03-17		-5.30
1939-03-03		-5.46
1939-02-17		-5.58
1939-02-03		-5.98
1939-01-20		-6.02
1939-01-06		-5.96
1938-12-23		-5.85
1938-12-09		-5.72
1938-11-25		-5.56
1938-11-11		-5.34
1938-10-28		-5.11
1938-10-14		-4.87
1938-09-30		-4.63
1938-09-16		-5.40
1938-09-02		-5.13
1938-08-19		-4.91
1938-08-05		-4.98
1938-07-23		-5.65
1938-07-09		-5.59
1938-06-25		-5.98
1938-06-11		-6.04
1938-05-28		-5.99
1938-05-14		-5.97
1938-04-30		-5.89
1938-04-16		-5.83
1938-04-02		-5.86
1938-03-19		-5.81
1938-03-05		-5.73
1938-02-19		-5.68
1938-02-05		-5.58
1938-01-22		-5.63
1938-01-08		-5.60
1937-12-25		-5.55
1937-12-11		-5.51
1937-11-27		-5.63
1937-11-13		-5.57
1937-10-30		-5.49
1937-10-16		-5.70
1937-10-02		-5.55
1937-09-18		-5.51
1937-09-04		-5.65
1937-08-21		-5.73
1937-08-07		-5.85
1937-07-24		-5.72
1937-07-10		-5.64
1937-06-26		-5.54

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1937-06-19		-5.51
1937-06-05		-5.39
1937-05-22		-5.32
1937-05-08		-5.28
1937-04-24		-5.30
1937-04-10		-5.25
1937-03-27		-5.14
1937-03-13		-5.08
1937-02-27		-4.95
1937-02-13		-5.01
1937-01-30		-5.18
1937-01-16		-5.33
1937-01-02		-5.47
1936-12-19		-5.85
1936-12-05		-6.01
1936-11-21		-5.89
1936-11-07		-5.76
1936-10-24		-5.61

Date	Feet below Surface	Feet to Sealevel
1937-06-12		-5.46
1937-05-28		-5.36
1937-05-15		-5.30
1937-05-01		-5.28
1937-04-17		-5.31
1937-04-03		-5.22
1937-03-20		-5.12
1937-03-06		-4.99
1937-02-20		-4.99
1937-02-06		-5.06
1937-01-23		-5.28
1937-01-09		-5.38
1936-12-26		-5.57
1936-12-12		-5.99
1936-11-28		-5.95
1936-11-14		-5.81
1936-10-31		-5.69

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

10504 Flatlands Ave,
10504 Flatlands Ave,
Brooklyn, NY 11236

Inquiry Number: 3278623.3
March 15, 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

3/15/12

Site Name:
10504 Flatlands Ave,
10504 Flatlands Ave,
Brooklyn, NY 11236

Client Name:
J.R. Holzmacher PE, LLC
300 Wheeler Road
Hauppauge, NY 11788

EDR Inquiry # 3278623.3

Contact: Patty Zalak

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 J.R. Holzmacher PE, LLC 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: 10504 Flatlands Ave,
Address: 10504 Flatlands Ave,
City, State, Zip: Brooklyn, NY 11236
Cross Street:
P.O. # NA
Project: KoptD 12-05
Certification # 09DD-478A-B7CC

Maps Provided:

2007	2001	1991	1980	1928
2006	1996	1989	1979	1907
2005	1995	1987	1977	
2004	1994	1986	1969	
2003	1993	1983	1967	
2002	1992	1981	1950	

Sanborn® Library search results
Certification # 09DD-478A-B7CC

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™

Limited Permission To Make Copies

J.R. Holzmacher PE, LLC (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

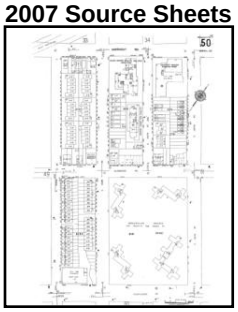
Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

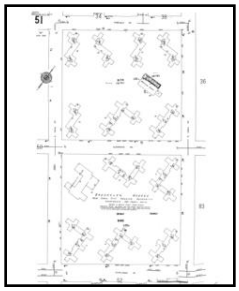
Sanborn Sheet Thumbnails

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

2007 Source Sheets



Volume 17, Sheet 50

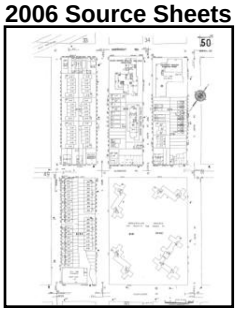


Volume 17, Sheet 51

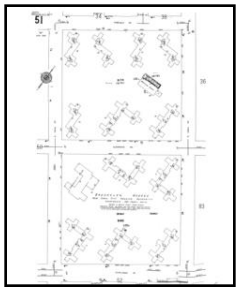
Volume 17, Sheet 52

Volume 17, Sheet 60

2006 Source Sheets



Volume 17, Sheet 50

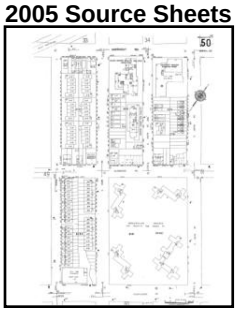


Volume 17, Sheet 51

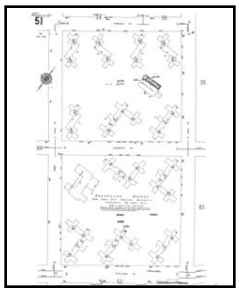
Volume 17, Sheet 52

Volume 17, Sheet 60

2005 Source Sheets



Volume 17, Sheet 50

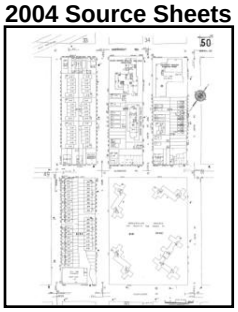


Volume 17, Sheet 51

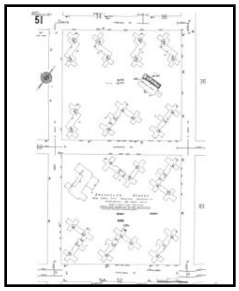
Volume 17, Sheet 52

Volume 17, Sheet 60

2004 Source Sheets



Volume 17, Sheet 50

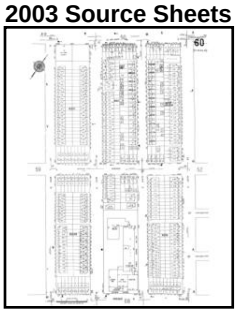


Volume 17, Sheet 51

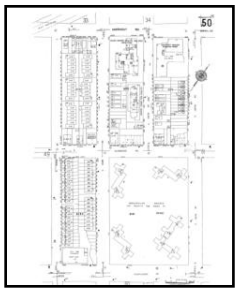
Volume 17, Sheet 52

Volume 17, Sheet 60

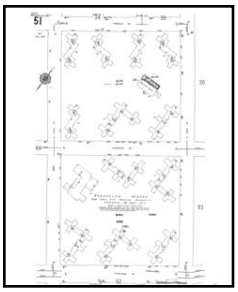
2003 Source Sheets



Volume 17, Sheet 60



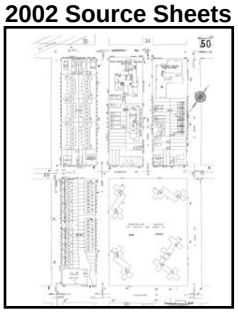
Volume 17, Sheet 50



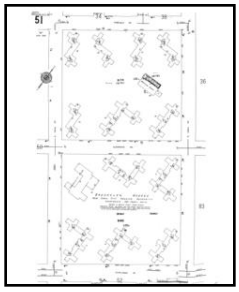
Volume 17, Sheet 51

Volume 17, Sheet 52

2002 Source Sheets



Volume 17, Sheet 50

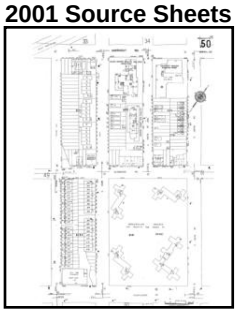


Volume 17, Sheet 51

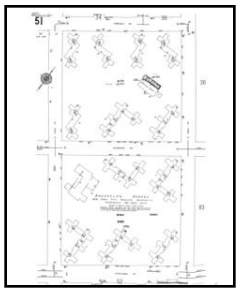
Volume 17, Sheet 52

Volume 17, Sheet 60

2001 Source Sheets



Volume 17, Sheet 50

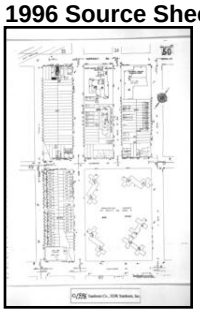


Volume 17, Sheet 51

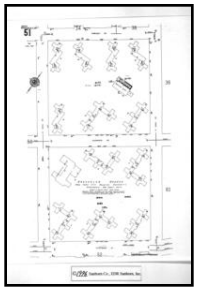
Volume 17, Sheet 52

Volume 17, Sheet 60

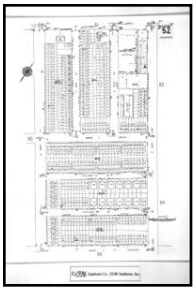
1996 Source Sheets



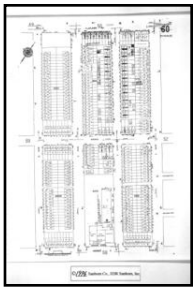
Volume 17, Sheet 50



Volume 17, Sheet 51

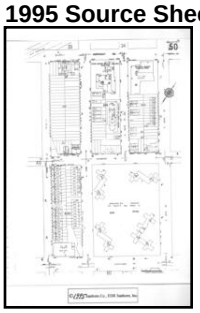


Volume 17, Sheet 52

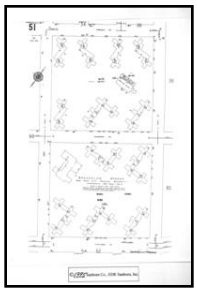


Volume 17, Sheet 60

1995 Source Sheets



Volume 17, Sheet 50



Volume 17, Sheet 51

Volume 17, Sheet 52

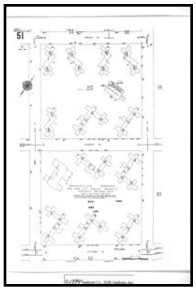
Volume 17, Sheet 60

1994 Source Sheets

Volume 17, Sheet 52

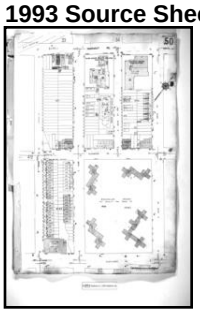
Volume 17, Sheet 60

Volume 17, Sheet 50

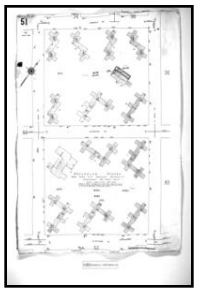


Volume 17, Sheet 51

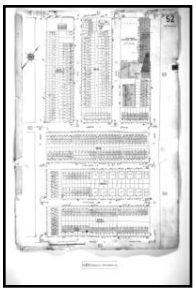
1993 Source Sheets



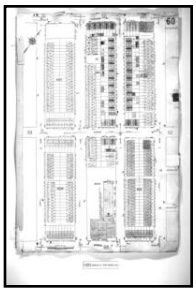
Volume 17, Sheet 50



Volume 17, Sheet 51



Volume 17, Sheet 52



Volume 17, Sheet 60

1992 Source Sheets

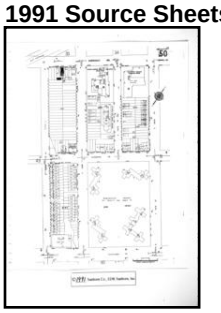
Volume 17, Sheet 60

Volume 17, Sheet 50

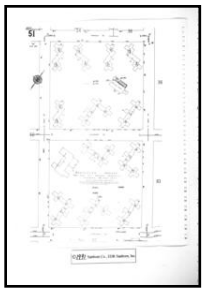
Volume 17, Sheet 51

Volume 17, Sheet 52

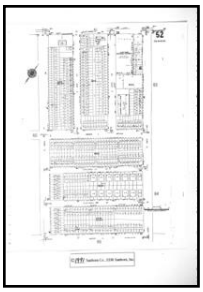
1991 Source Sheets



Volume 17, Sheet 50



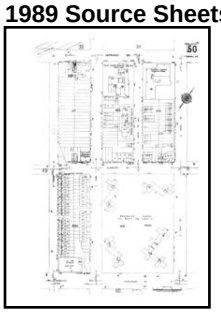
Volume 17, Sheet 51



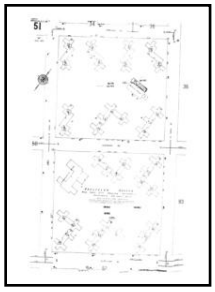
Volume 17, Sheet 52

Volume 17, Sheet 60

1989 Source Sheets



Volume 17, Sheet 50

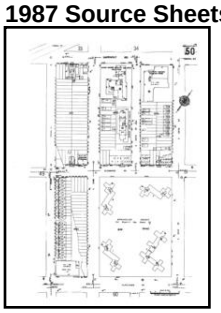


Volume 17, Sheet 51

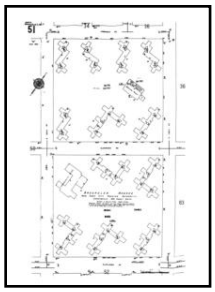
Volume 17, Sheet 52

Volume 17, Sheet 60

1987 Source Sheets



Volume 17, Sheet 50

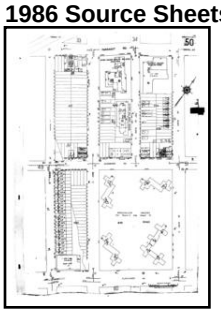


Volume 17, Sheet 51

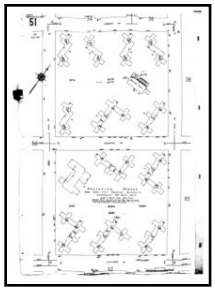
Volume 17, Sheet 52

Volume 17, Sheet 60

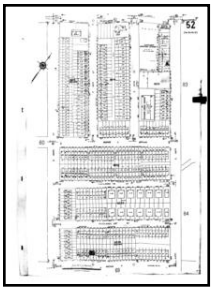
1986 Source Sheets



Volume 17, Sheet 50



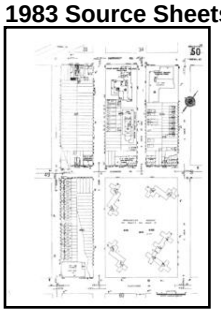
Volume 17, Sheet 51



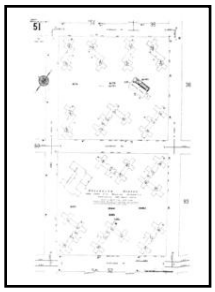
Volume 17, Sheet 52

Volume 17, Sheet 60

1983 Source Sheets



Volume 17, Sheet 50

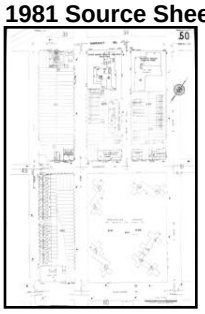


Volume 17, Sheet 51

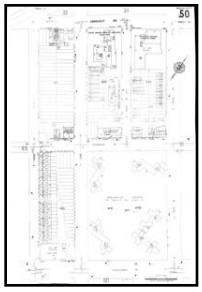
Volume 17, Sheet 52

Volume 17, Sheet 60

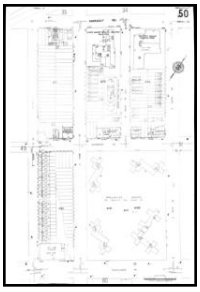
1981 Source Sheets



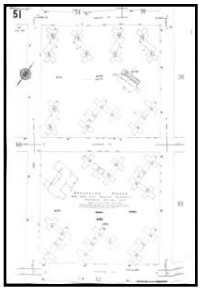
Volume 17, Sheet 50



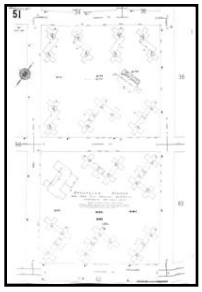
Volume 17, Sheet 50



Volume 17, Sheet 50

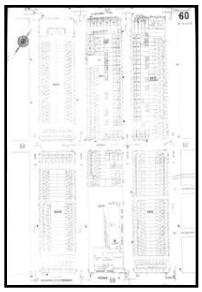


Volume 17, Sheet 51



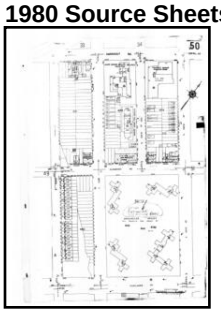
Volume 17, Sheet 51

Volume 17, Sheet 52



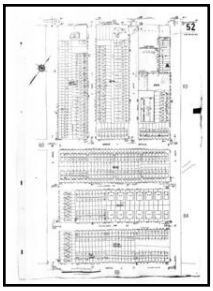
Volume 17, Sheet 60

1980 Source Sheets



Volume 17, Sheet 50

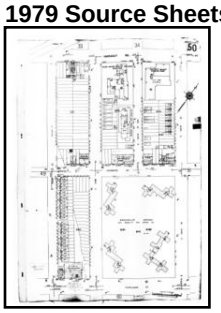
Volume 17, Sheet 51



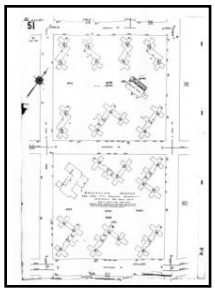
Volume 17, Sheet 52

Volume 17, Sheet 60

1979 Source Sheets

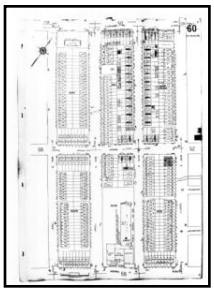


Volume 17, Sheet 50



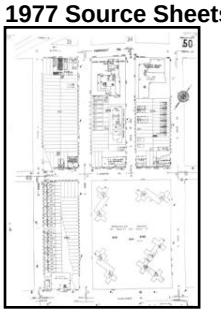
Volume 17, Sheet 51

Volume 17, Sheet 52



Volume 17, Sheet 60

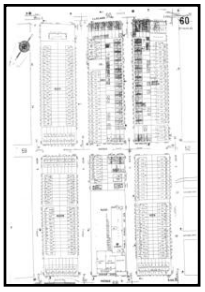
1977 Source Sheets



Volume 17, Sheet 50

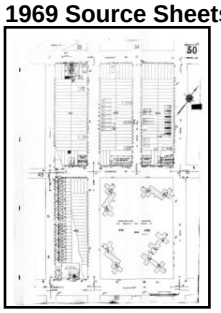
Volume 17, Sheet 51

Volume 17, Sheet 52



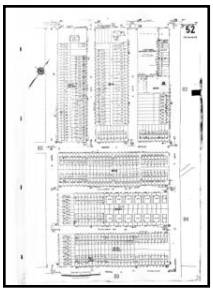
Volume 17, Sheet 60

1969 Source Sheets



Volume 17, Sheet 50

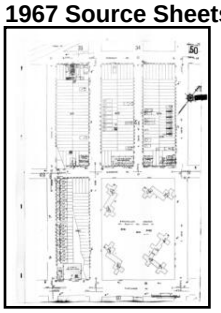
Volume 17, Sheet 51



Volume 17, Sheet 52

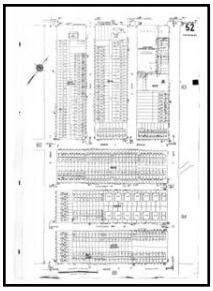
Volume 17, Sheet 60

1967 Source Sheets



Volume 17, Sheet 50

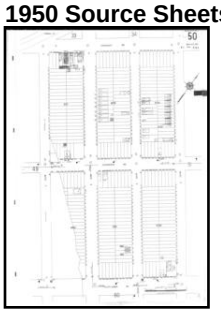
Volume 17, Sheet 51



Volume 17, Sheet 52

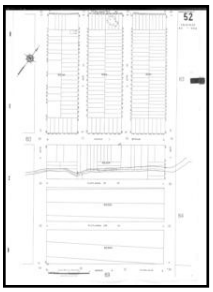
Volume 17, Sheet 60

1950 Source Sheets

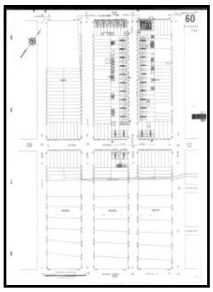


Volume 17, Sheet 50

Volume 17, Sheet 51

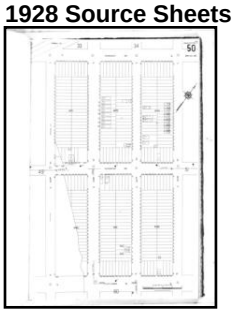


Volume 17, Sheet 52

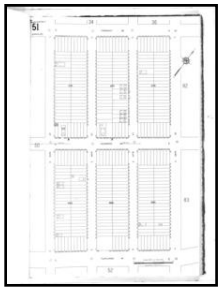


Volume 17, Sheet 60

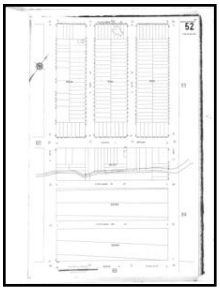
1928 Source Sheets



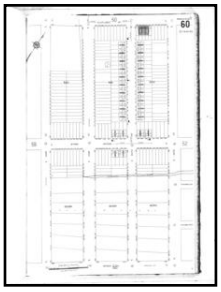
Volume 17, Sheet 50



Volume 17, Sheet 51

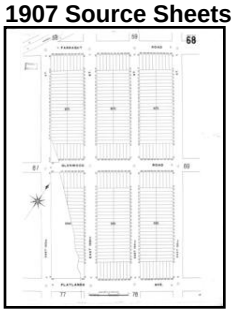


Volume 17, Sheet 52

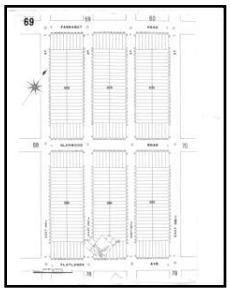


Volume 17, Sheet 60

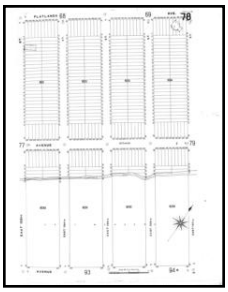
1907 Source Sheets



Volume 16, Sheet 68



Volume 16, Sheet 69



Volume 16, Sheet 78

2007 Certified Sanborn Map

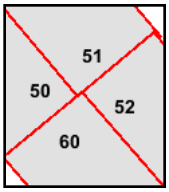
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	2007

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

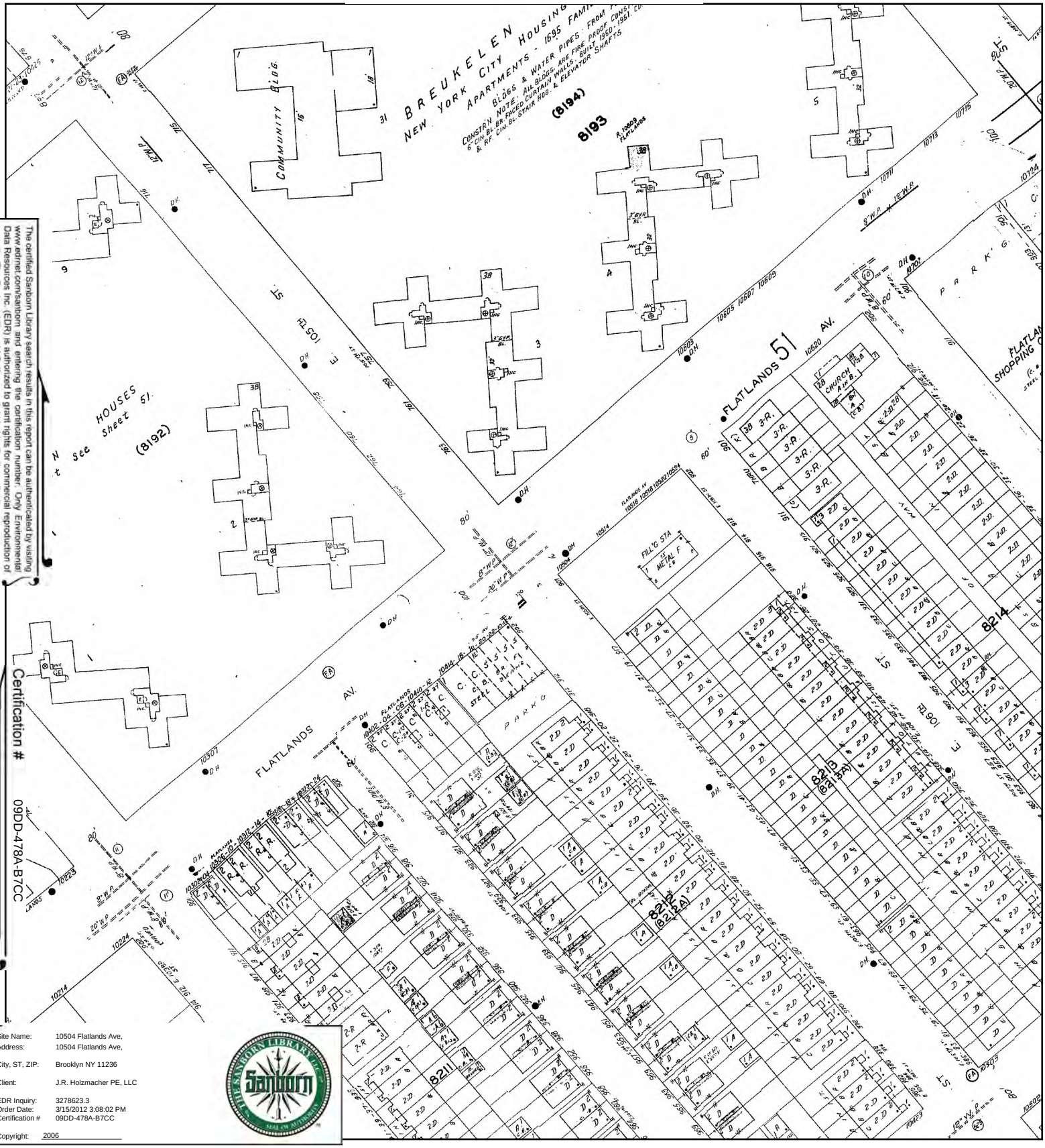
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

2006 Certified Sanborn Map

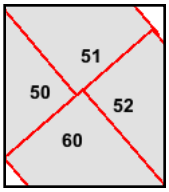


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	2006

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

2005 Certified Sanborn Map

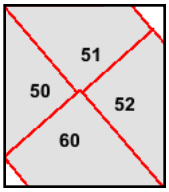
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	2005

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

2004 Certified Sanborn Map

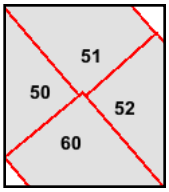
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	2004

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

2003 Certified Sanborn Map

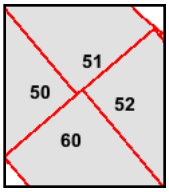
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	2003

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

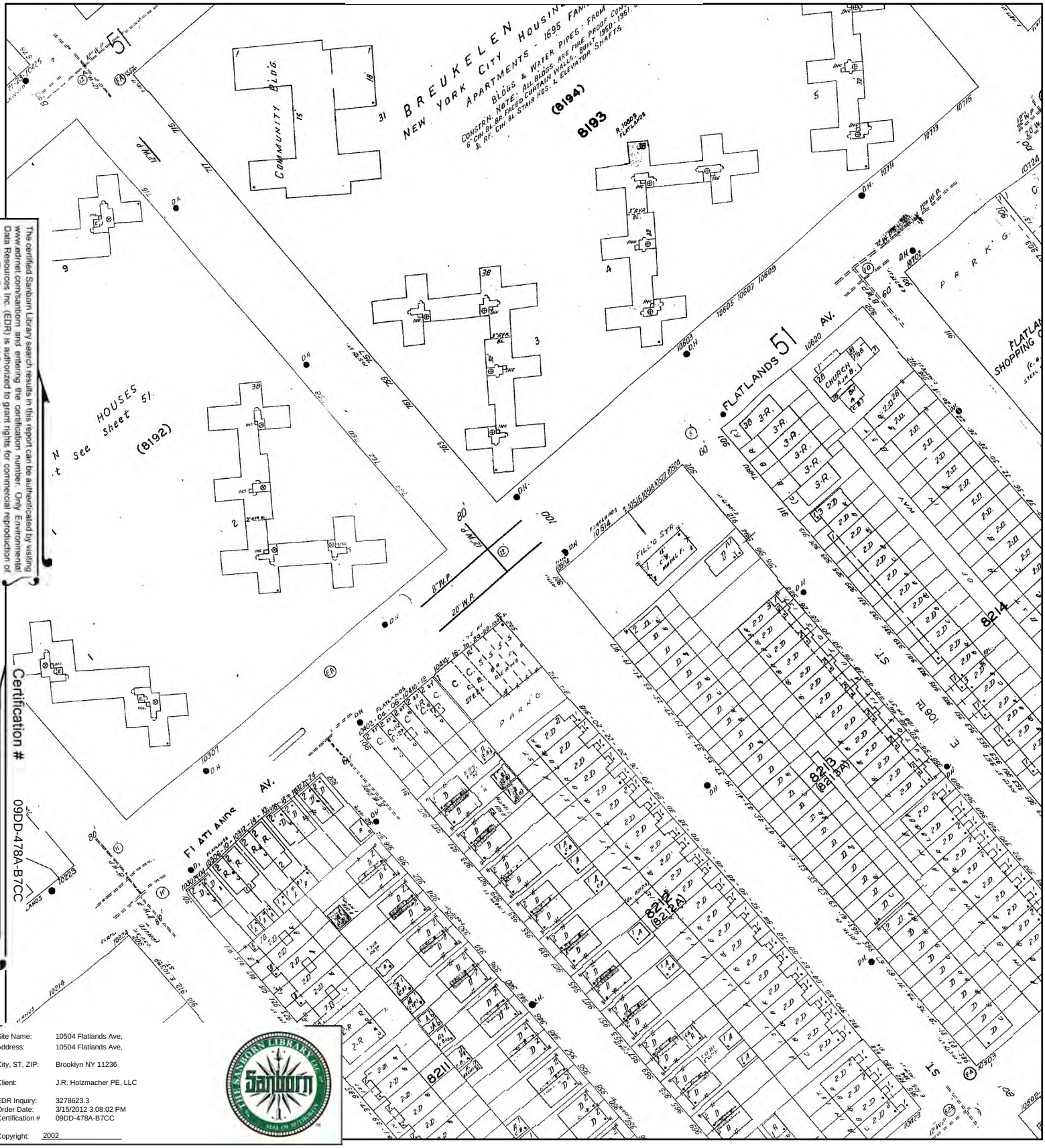
0 Feet 150 300 600



Volume 17, Sheet 60
Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52

N

2002 Certified Sanborn Map



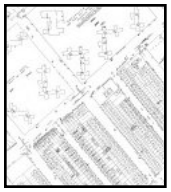
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

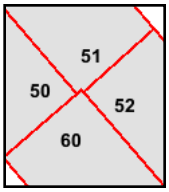
Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	2002

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

2001 Certified Sanborn Map

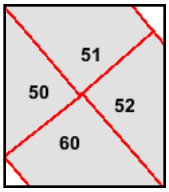
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	2001

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

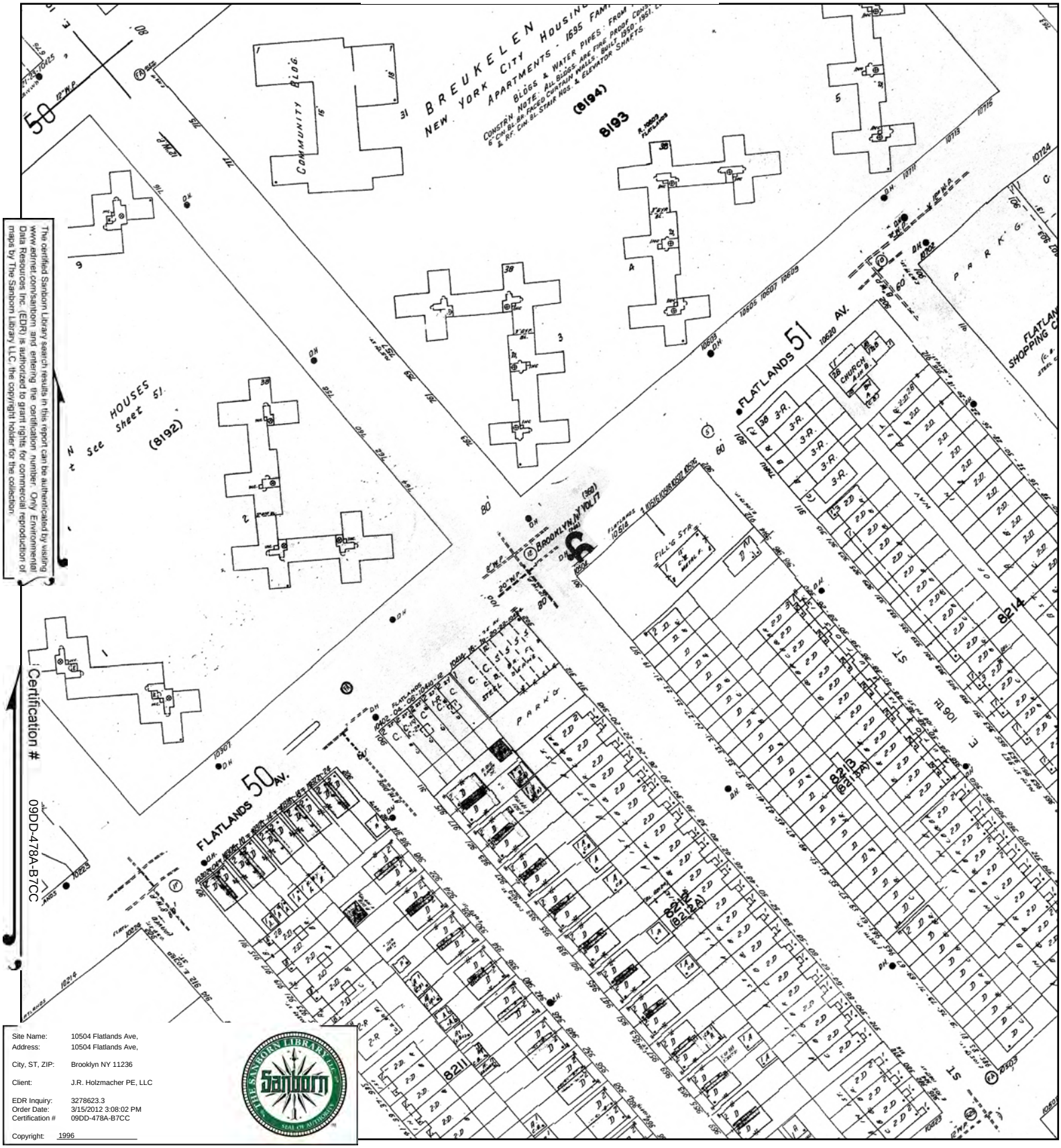
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1996 Certified Sanborn Map



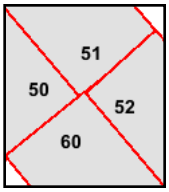
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1996

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

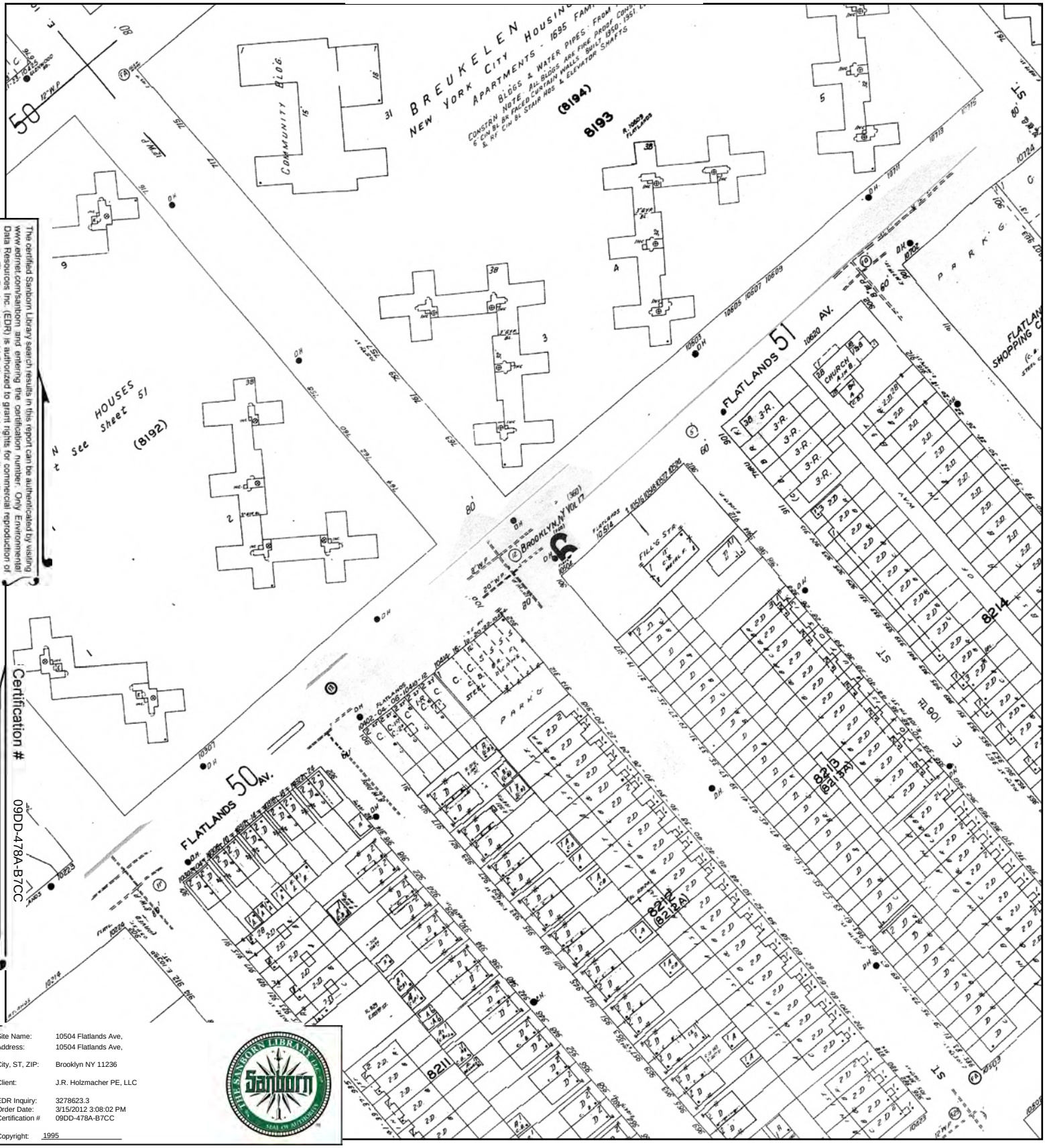
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1995 Certified Sanborn Map



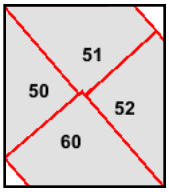
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1995

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

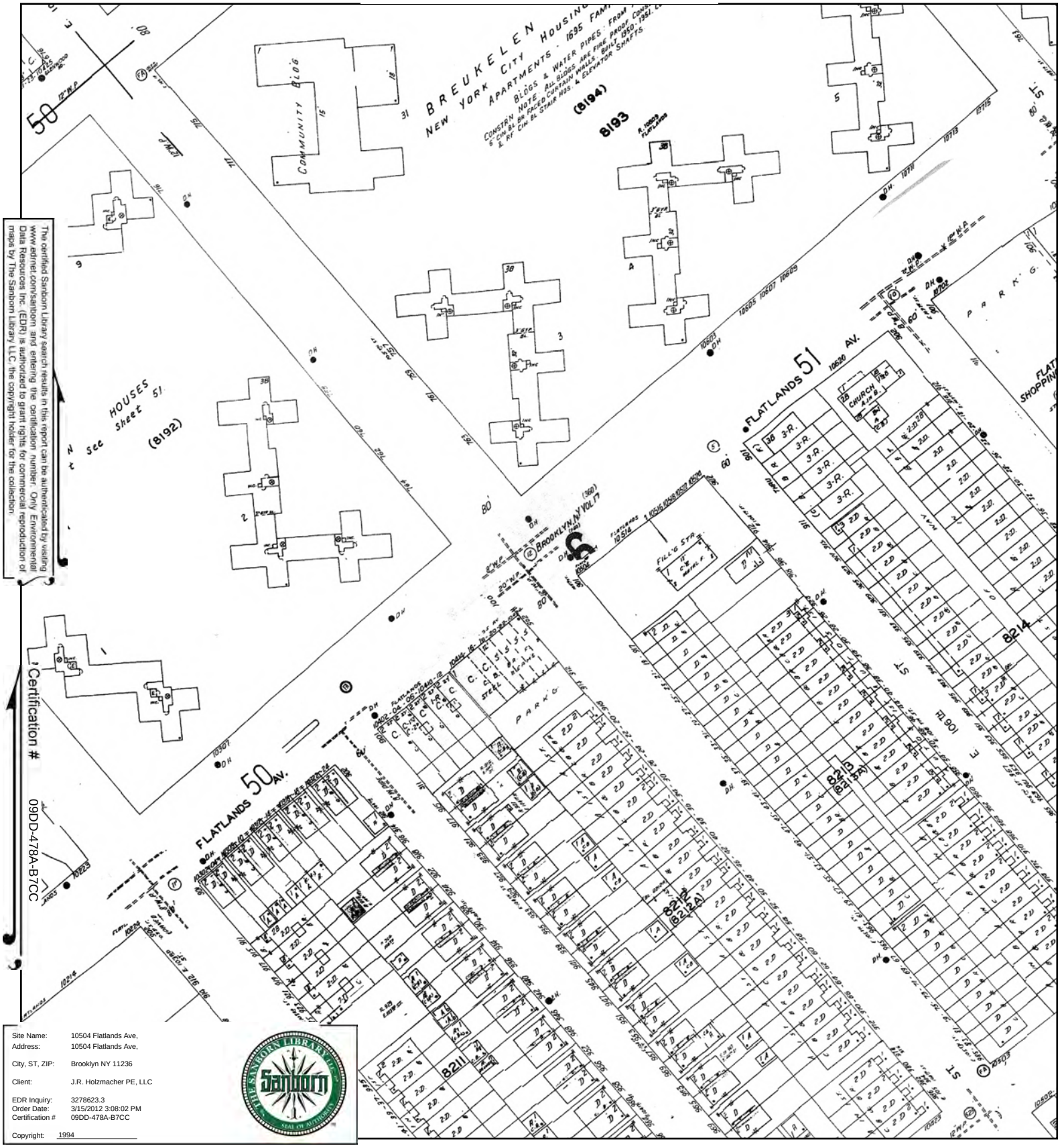
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1994 Certified Sanborn Map



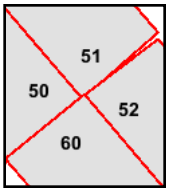
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1994

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

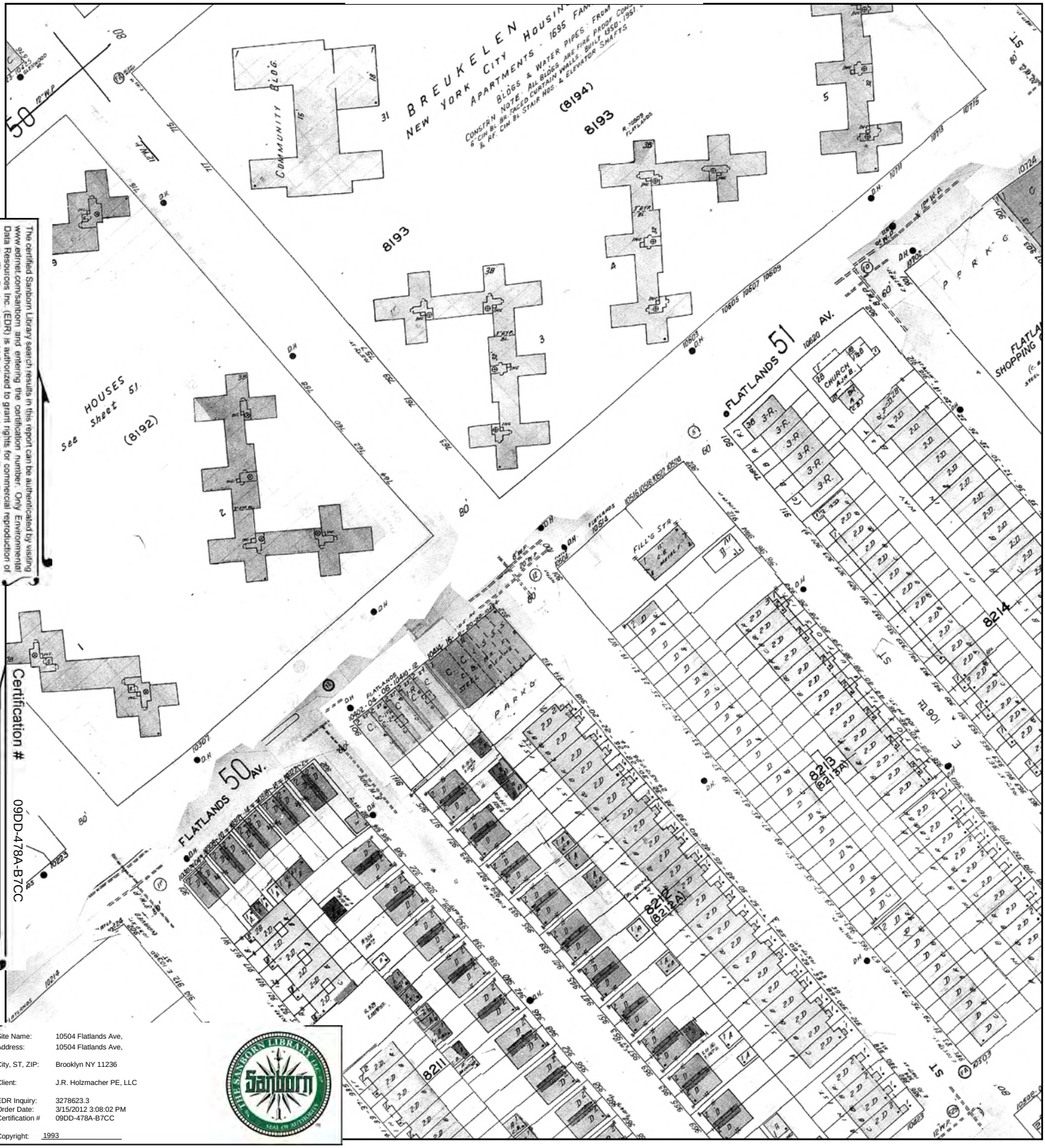
0 Feet 150 300 600



Volume 17, Sheet 52
Volume 17, Sheet 60
Volume 17, Sheet 50
Volume 17, Sheet 51

N

1993 Certified Sanborn Map



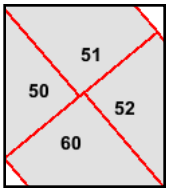
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1993

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

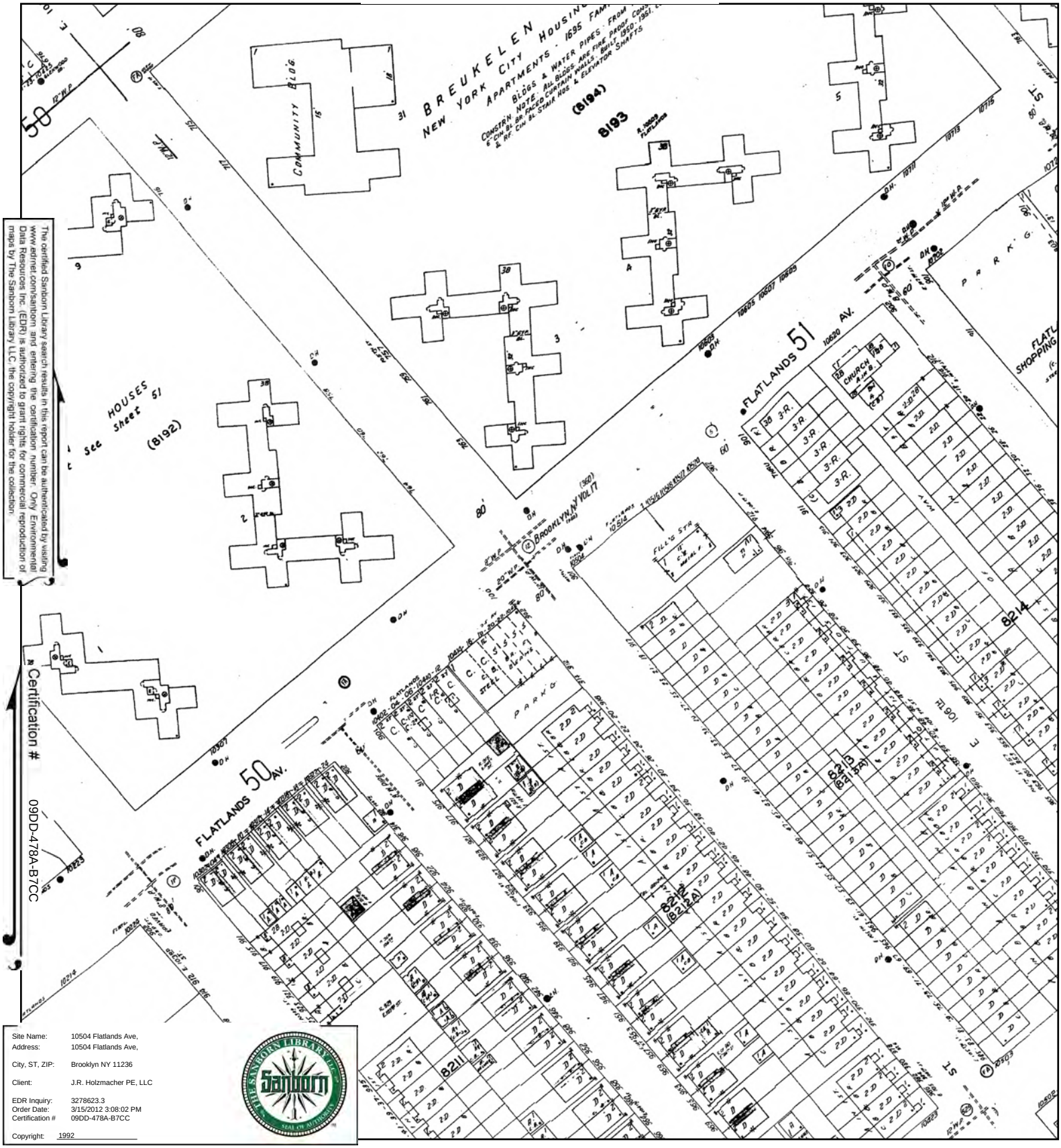
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1992 Certified Sanborn Map



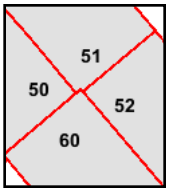
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1992

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

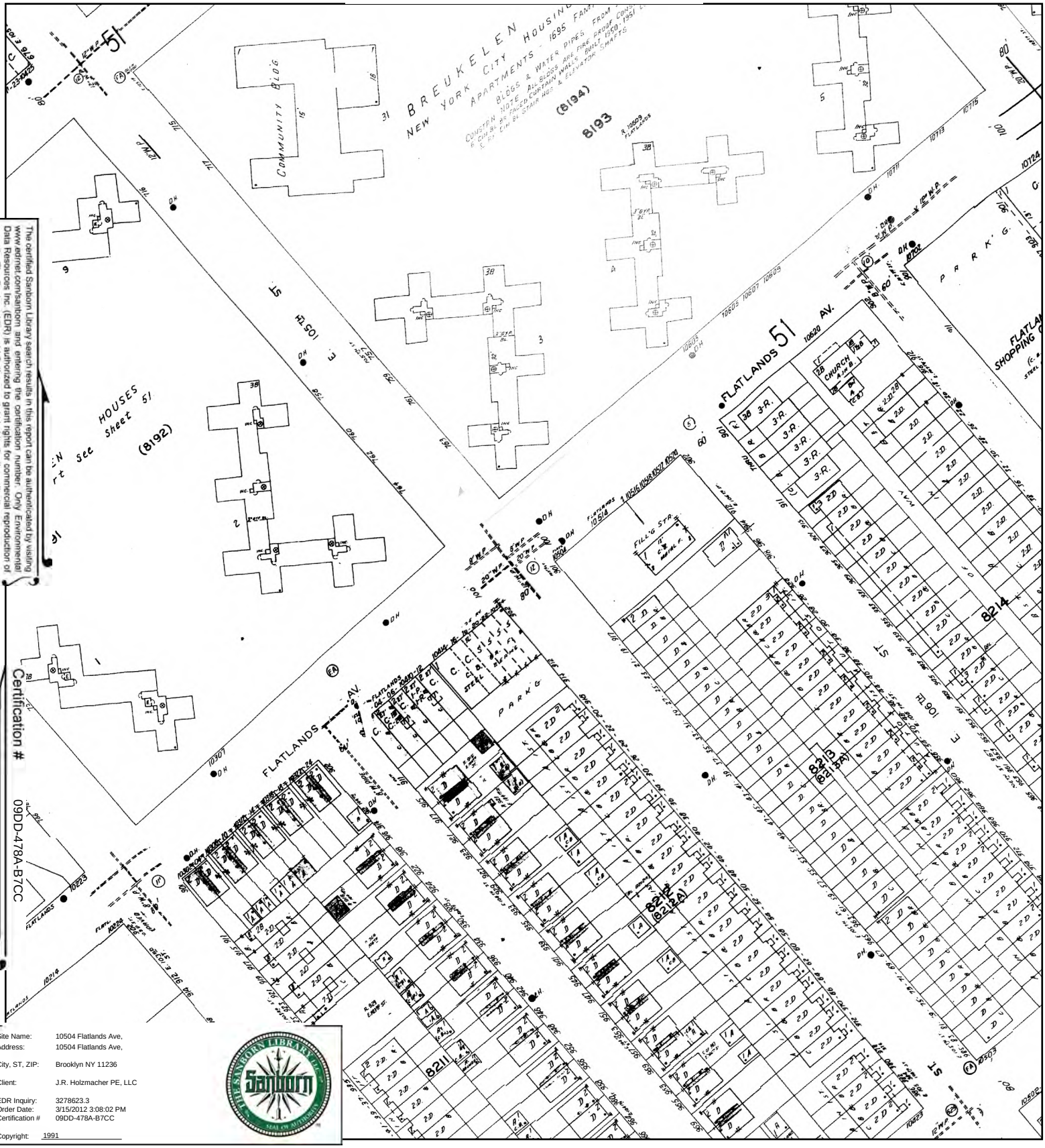
0 Feet 150 300 600



Volume 17, Sheet 60
Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52

N

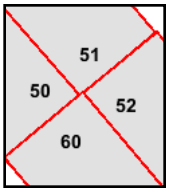
1991 Certified Sanborn Map



Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1991

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1989 Certified Sanborn Map

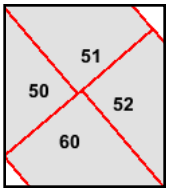
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1989

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

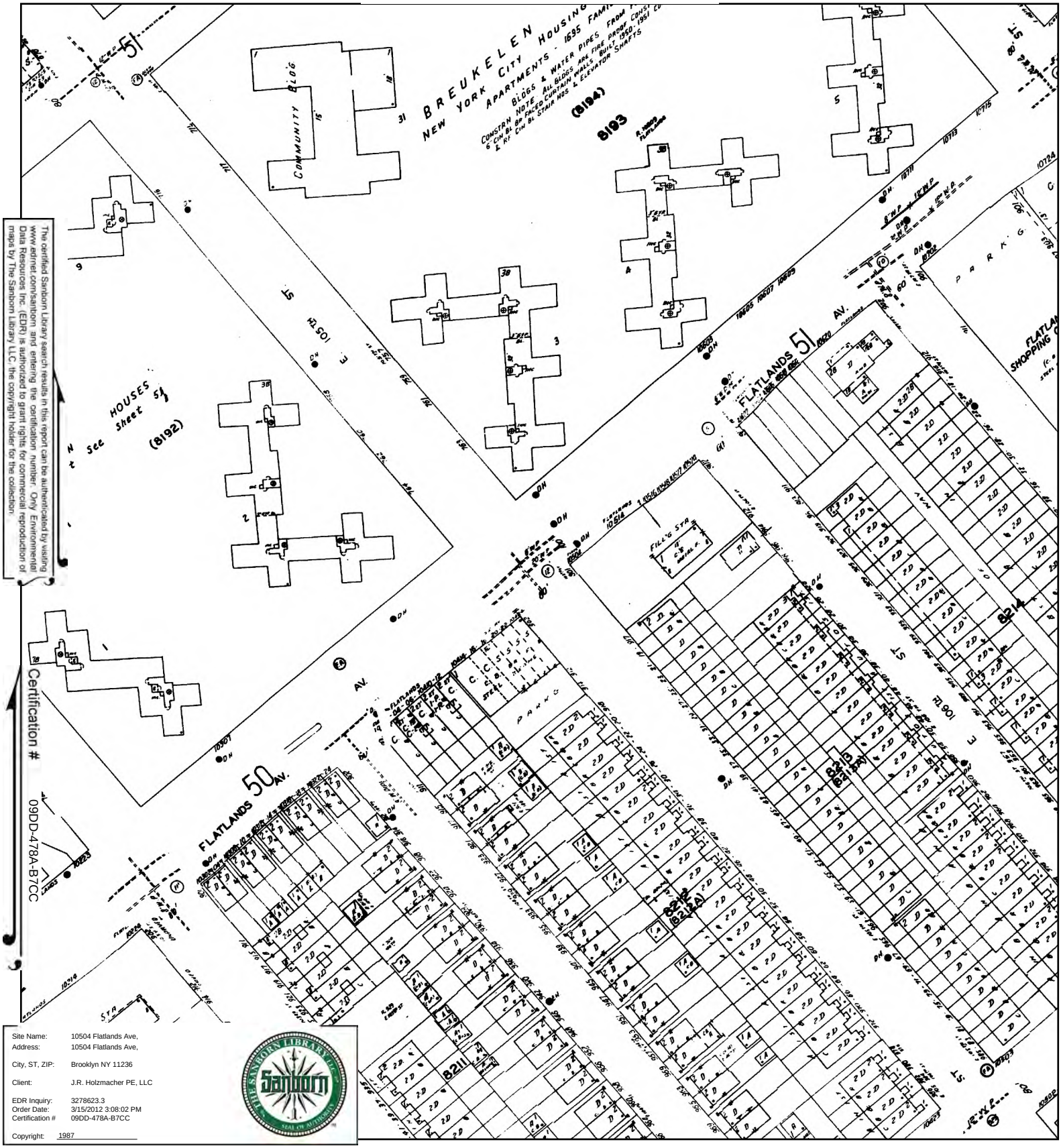
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1987 Certified Sanborn Map



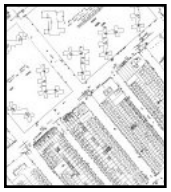
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

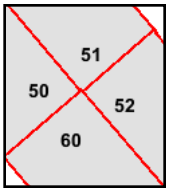
Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1987

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

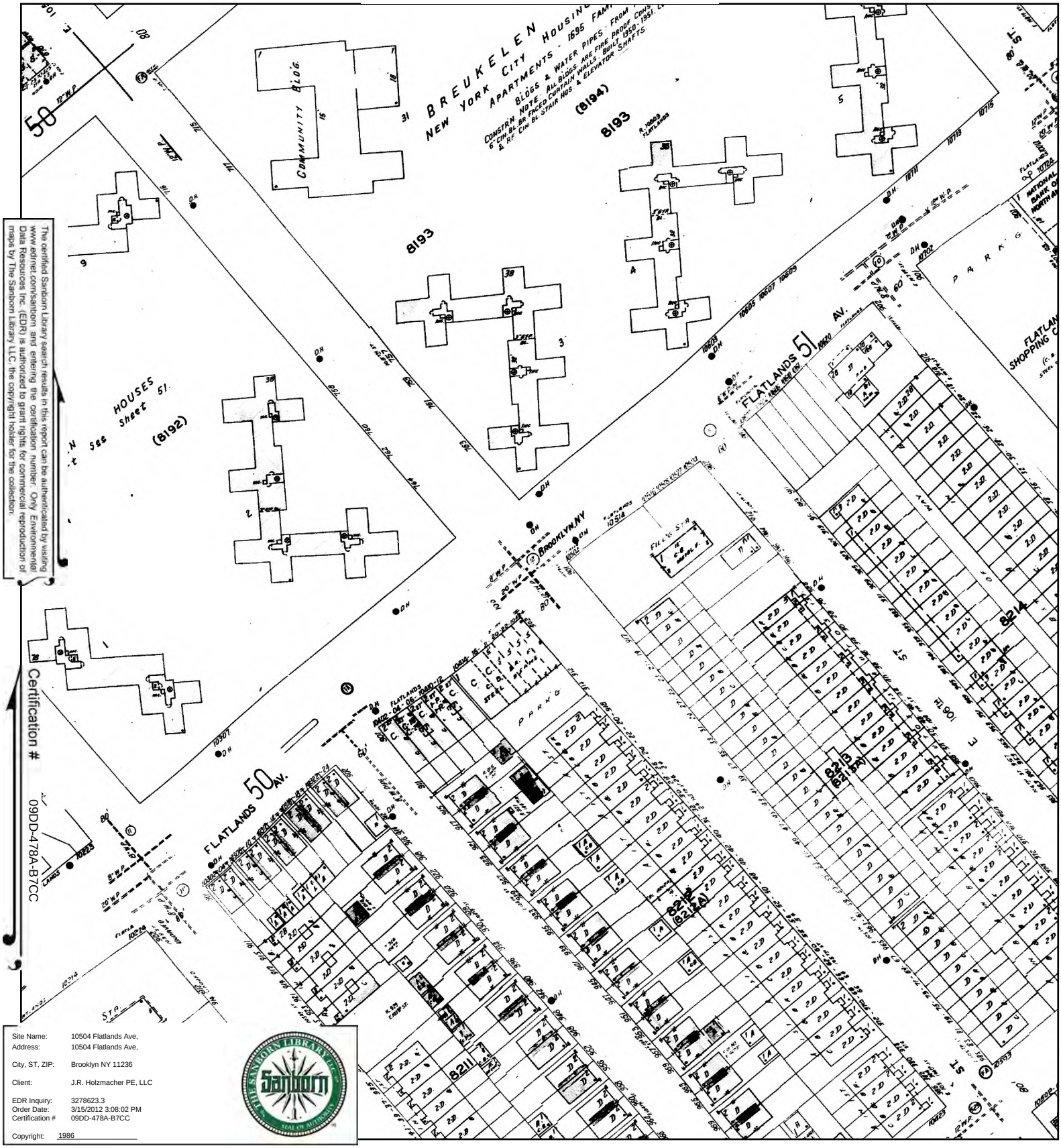




Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1986 Certified Sanborn Map



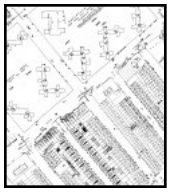
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

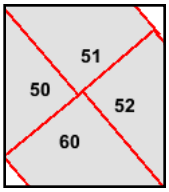
Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1986

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

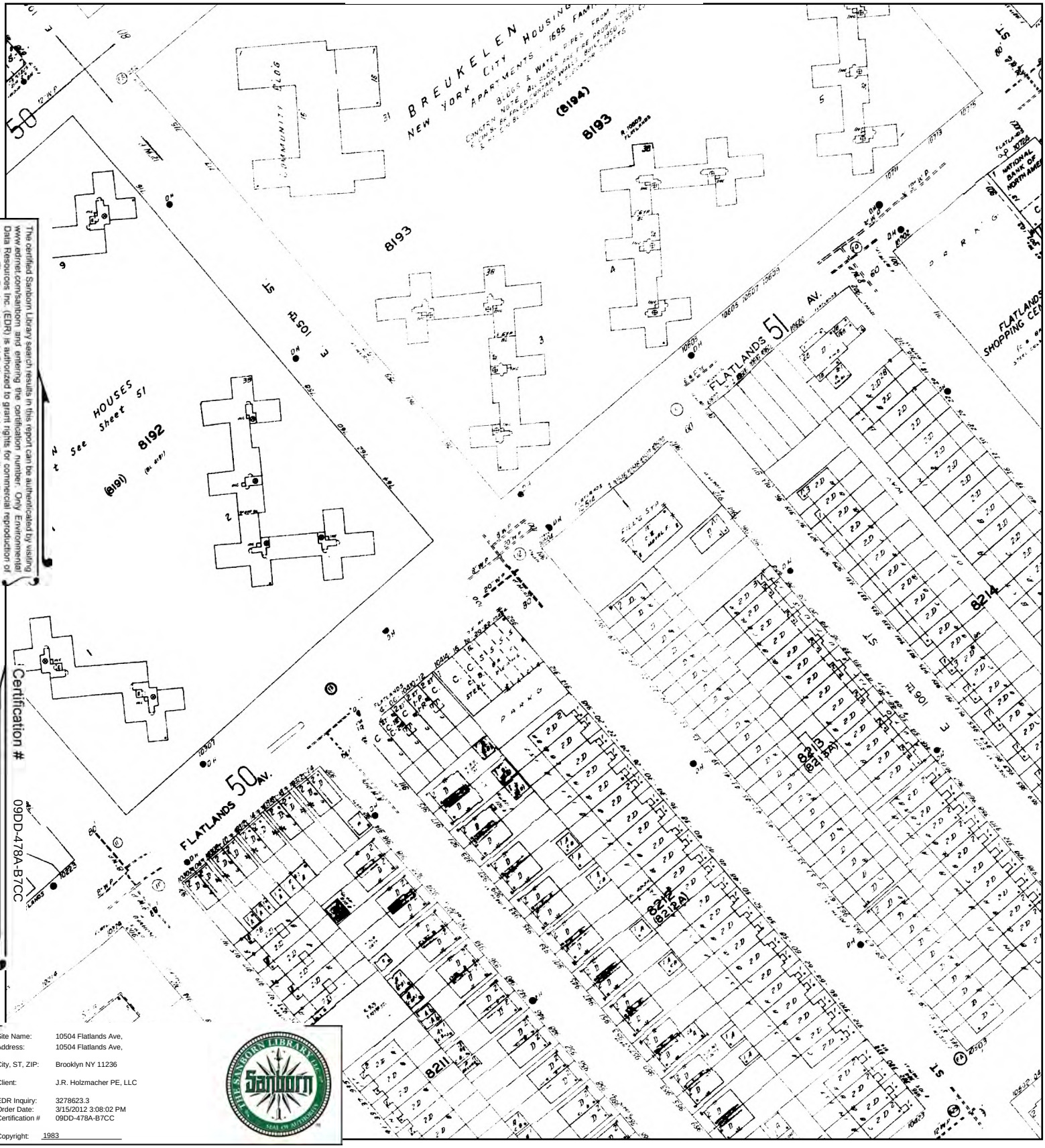




Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1983 Certified Sanborn Map



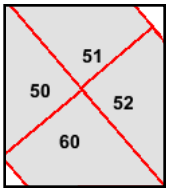
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1983

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

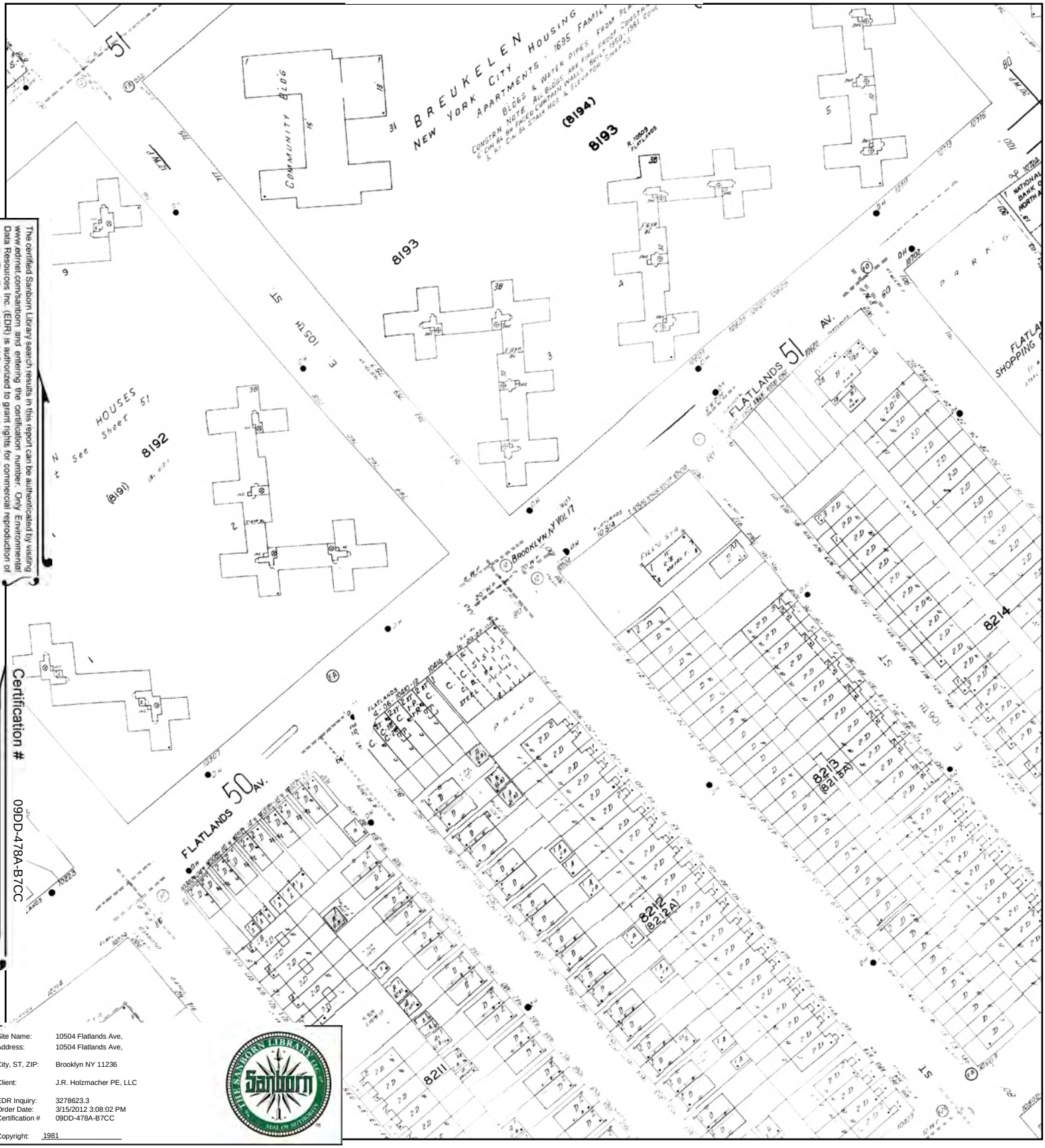
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1981 Certified Sanborn Map



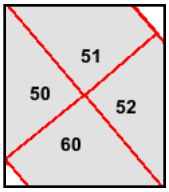
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1981

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

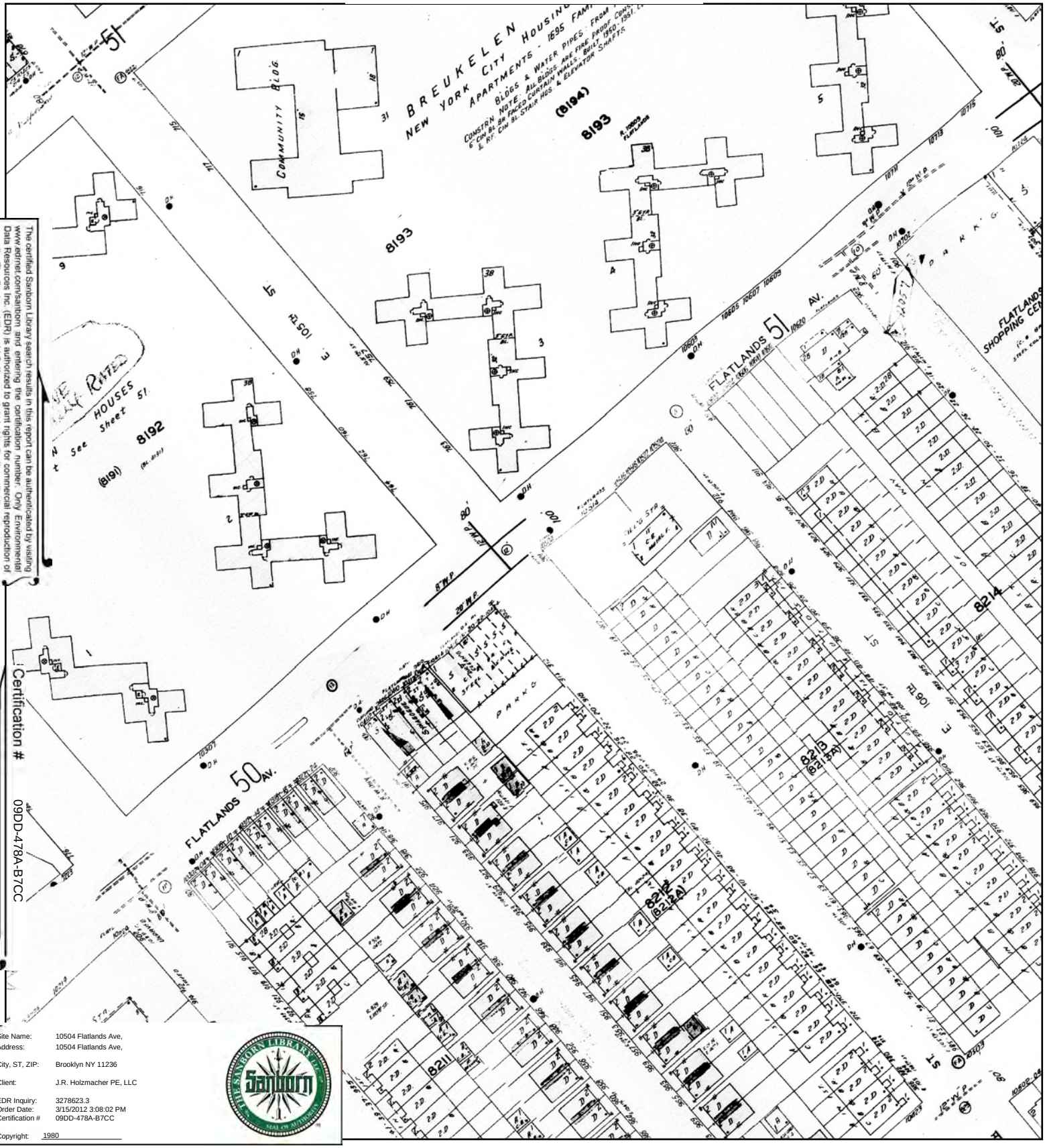
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 50
Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1980 Certified Sanborn Map



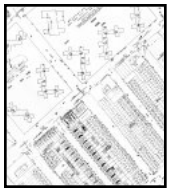
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

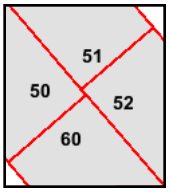
Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1980

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

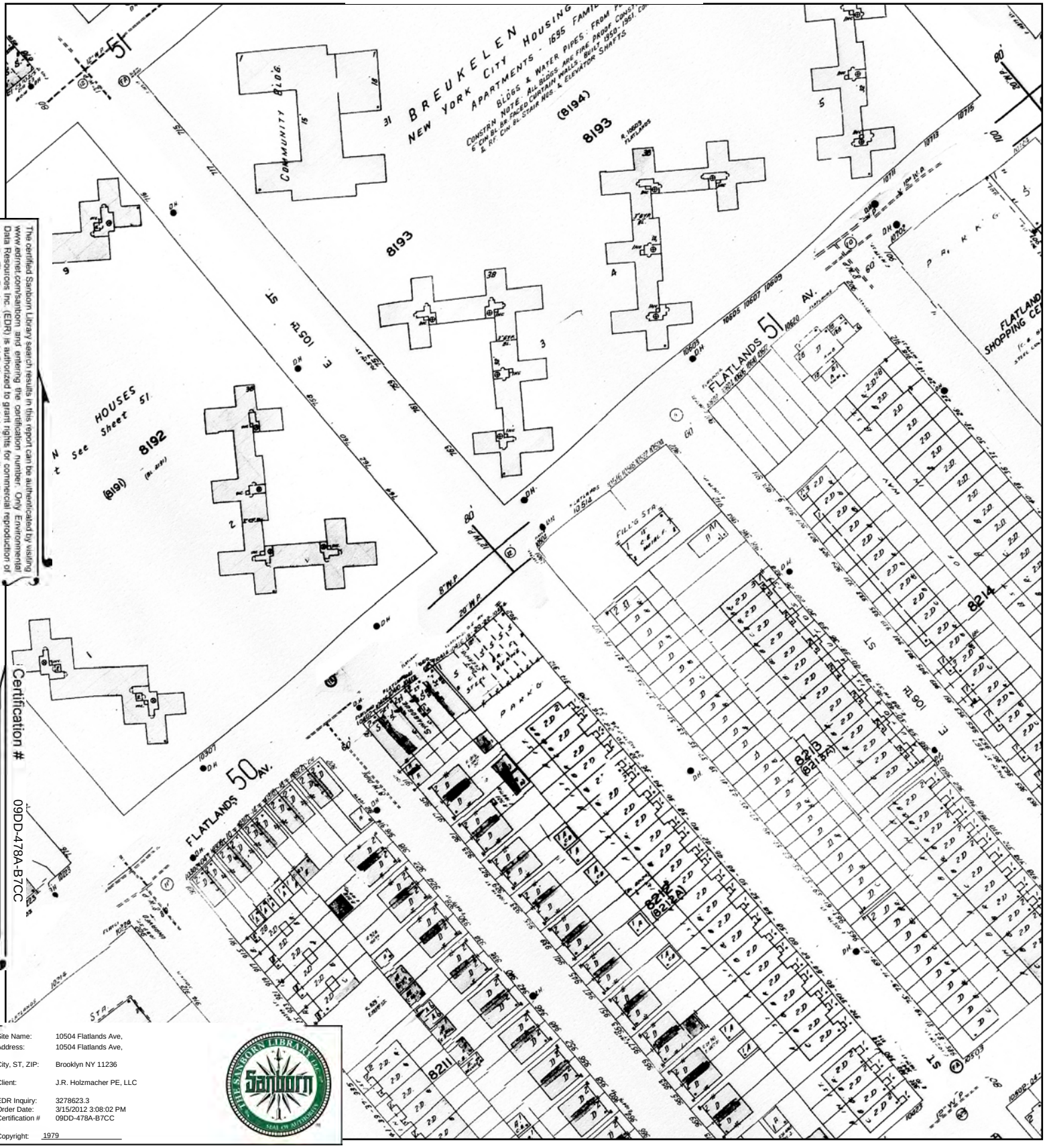




Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1979 Certified Sanborn Map



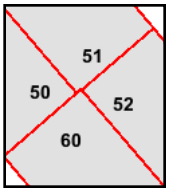
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1979

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

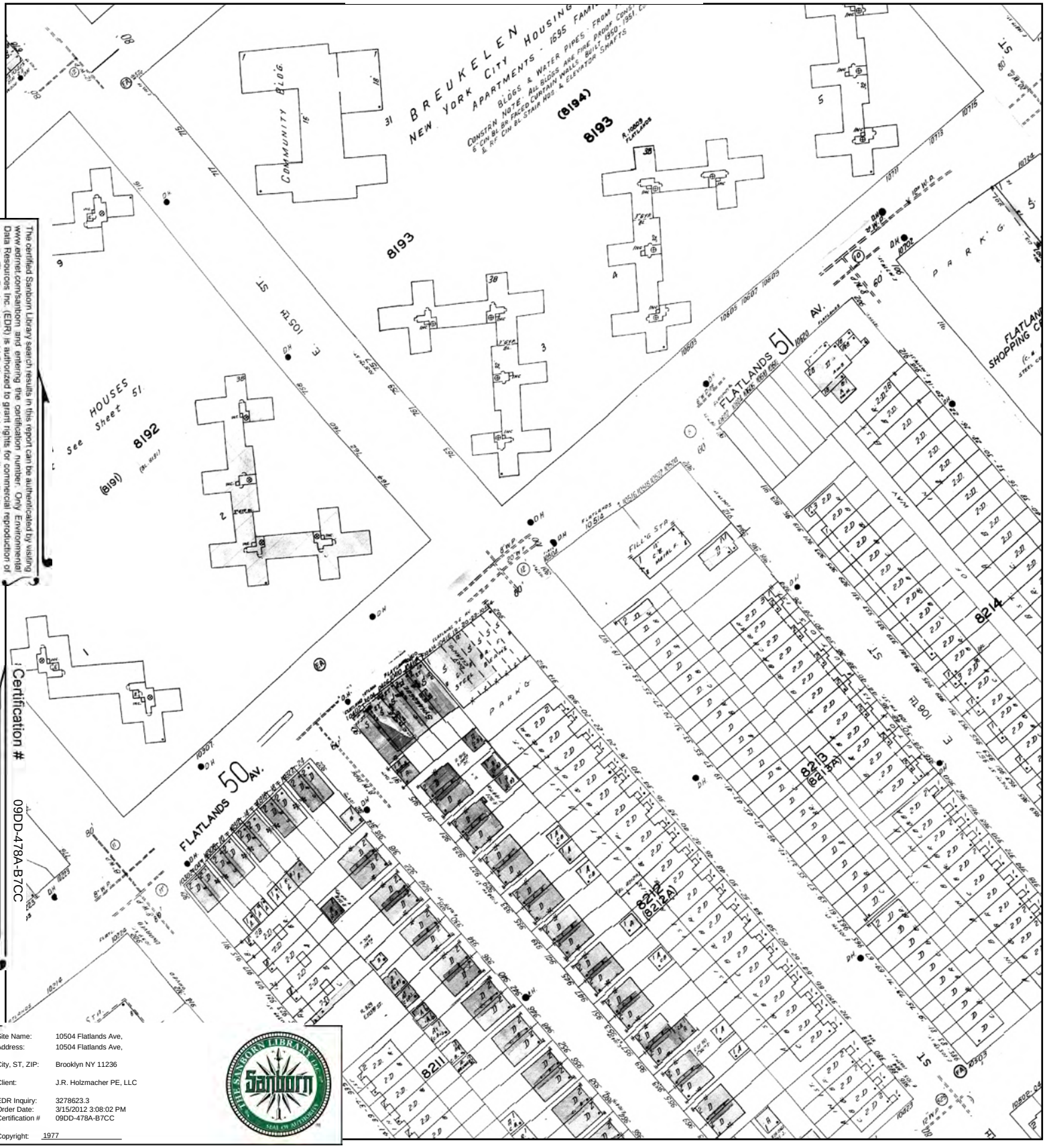
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1977 Certified Sanborn Map



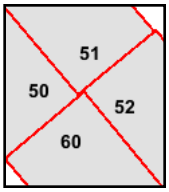
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1977

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

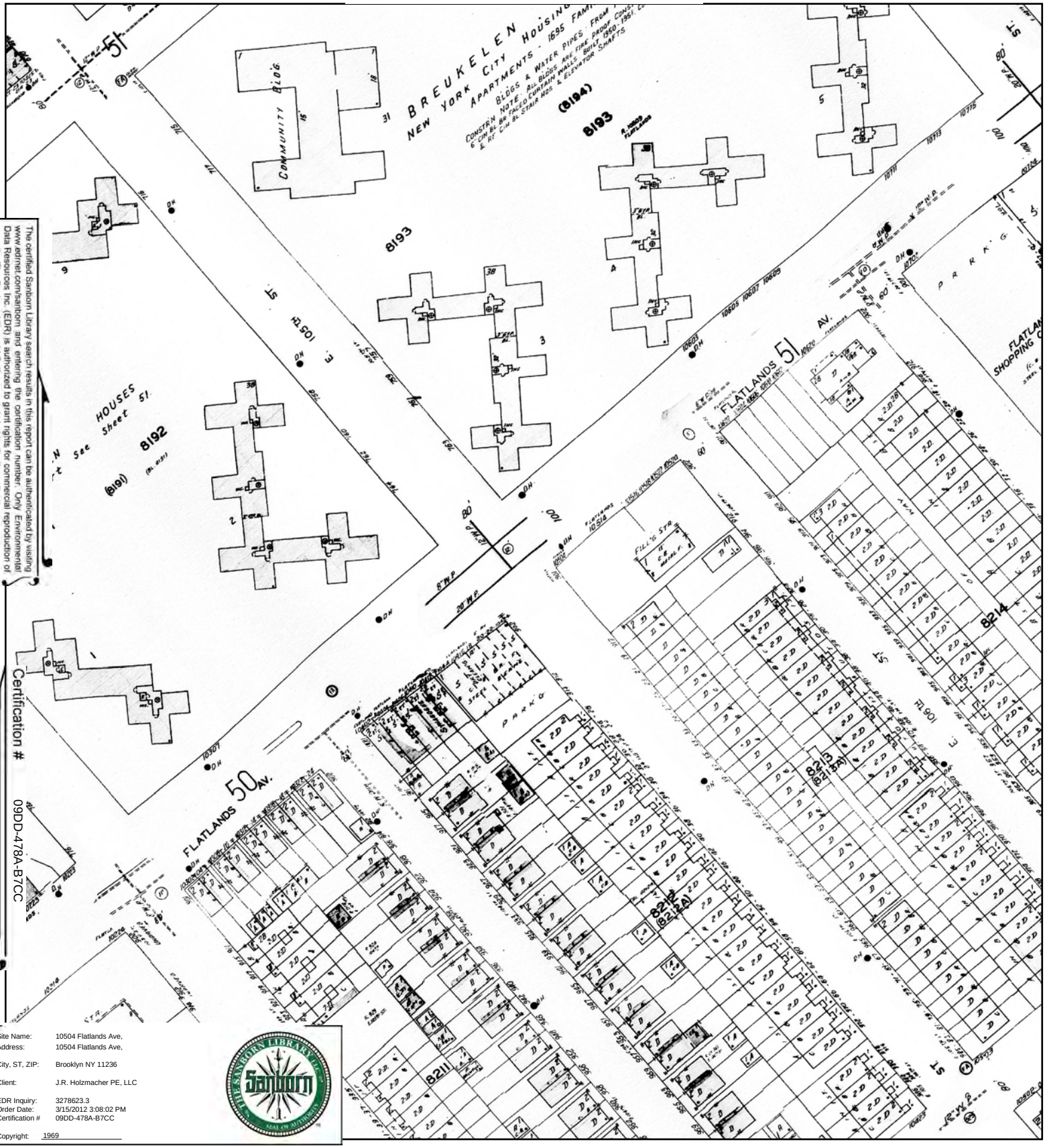
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1969 Certified Sanborn Map



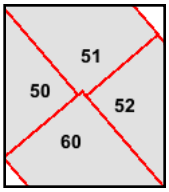
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1969

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

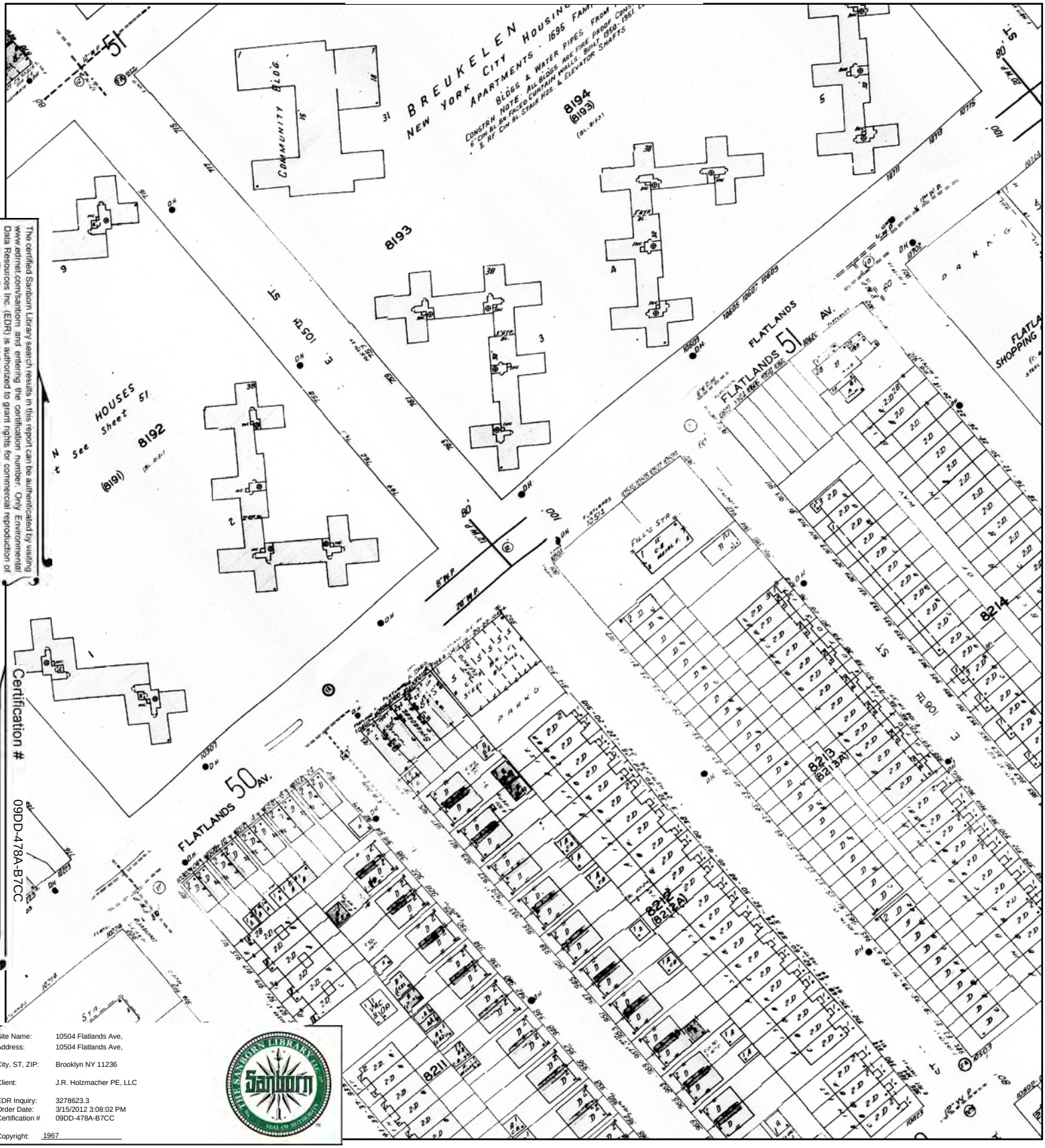
0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1967 Certified Sanborn Map



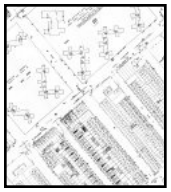
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

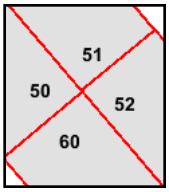
Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1967

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1950 Certified Sanborn Map

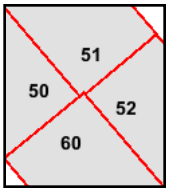
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1928 Certified Sanborn Map

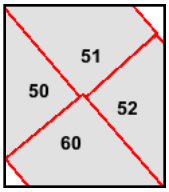
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1928

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 17, Sheet 50
Volume 17, Sheet 51
Volume 17, Sheet 52
Volume 17, Sheet 60

N

1907 Certified Sanborn Map

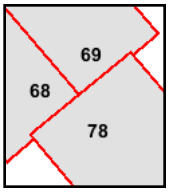
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 09DD-478A-B7CC

Site Name:	10504 Flatlands Ave,
Address:	10504 Flatlands Ave,
City, ST, ZIP:	Brooklyn NY 11236
Client:	J.R. Holzmacher PE, LLC
EDR Inquiry:	3278623.3
Order Date:	3/15/2012 3:08:02 PM
Certification #	09DD-478A-B7CC
Copyright:	1907

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 16, Sheet 68
Volume 16, Sheet 69
Volume 16, Sheet 78

N

10504 Flatlands Ave,
10504 Flatlands Ave,
Brooklyn, NY 11236

Inquiry Number: 3278623.5
March 15, 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

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

Aerial Photography March 15, 2012

Target Property:

10504 Flatlands Ave,

Brooklyn, NY 11236

Year	***Scale***	***Details***	***Source***
1924	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: July 01, 1924	EDR
1954	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: February 18, 1954	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: April 01, 1975	EDR
1984	Aerial Photograph. Scale: 1"=750'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: April 27, 1984	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Composite DOQQ - acquisition dates: April 04, 1994	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2006	EDR

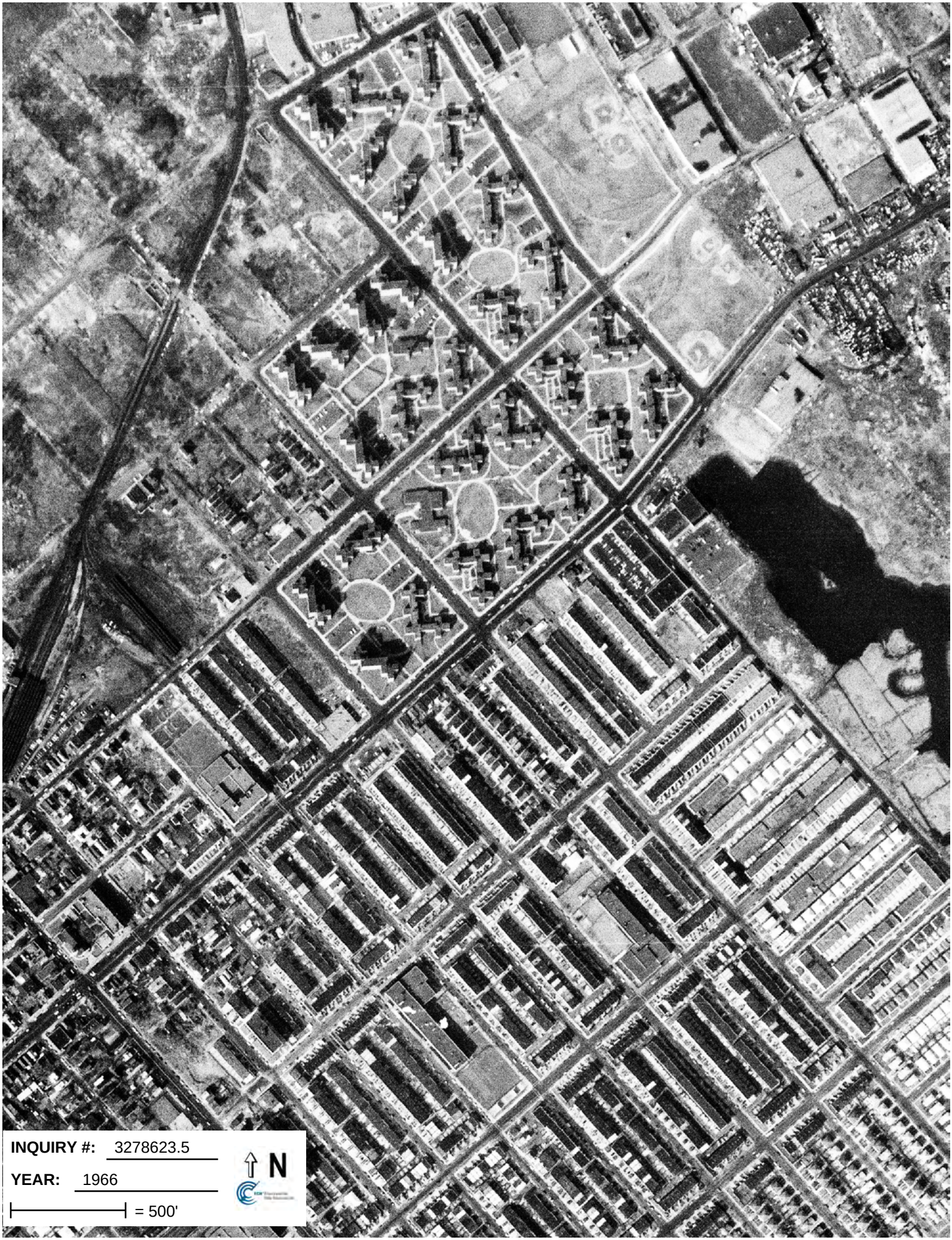
INQUIRY #: 3278623.5

YEAR: 1924

= 500'

N

INQUIRY #: 3278623.5
YEAR: 1954
= 500'
N


INQUIRY #: 3278623.5
YEAR: 1966
= 500'
N

INQUIRY #: 3278623.5
YEAR: 1975
= 500'
N

INQUIRY #: 3278623.5

YEAR: 1984

= 750'

N

INQUIRY #: 3278623.5
YEAR: 1994
= 500'
N

INQUIRY #: 3278623.5
YEAR: 2006
= 500'
N

10504 Flatlands Ave,
10504 Flatlands Ave,
Brooklyn, NY 11236

Inquiry Number: 3278623.4
March 15, 2012

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

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

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

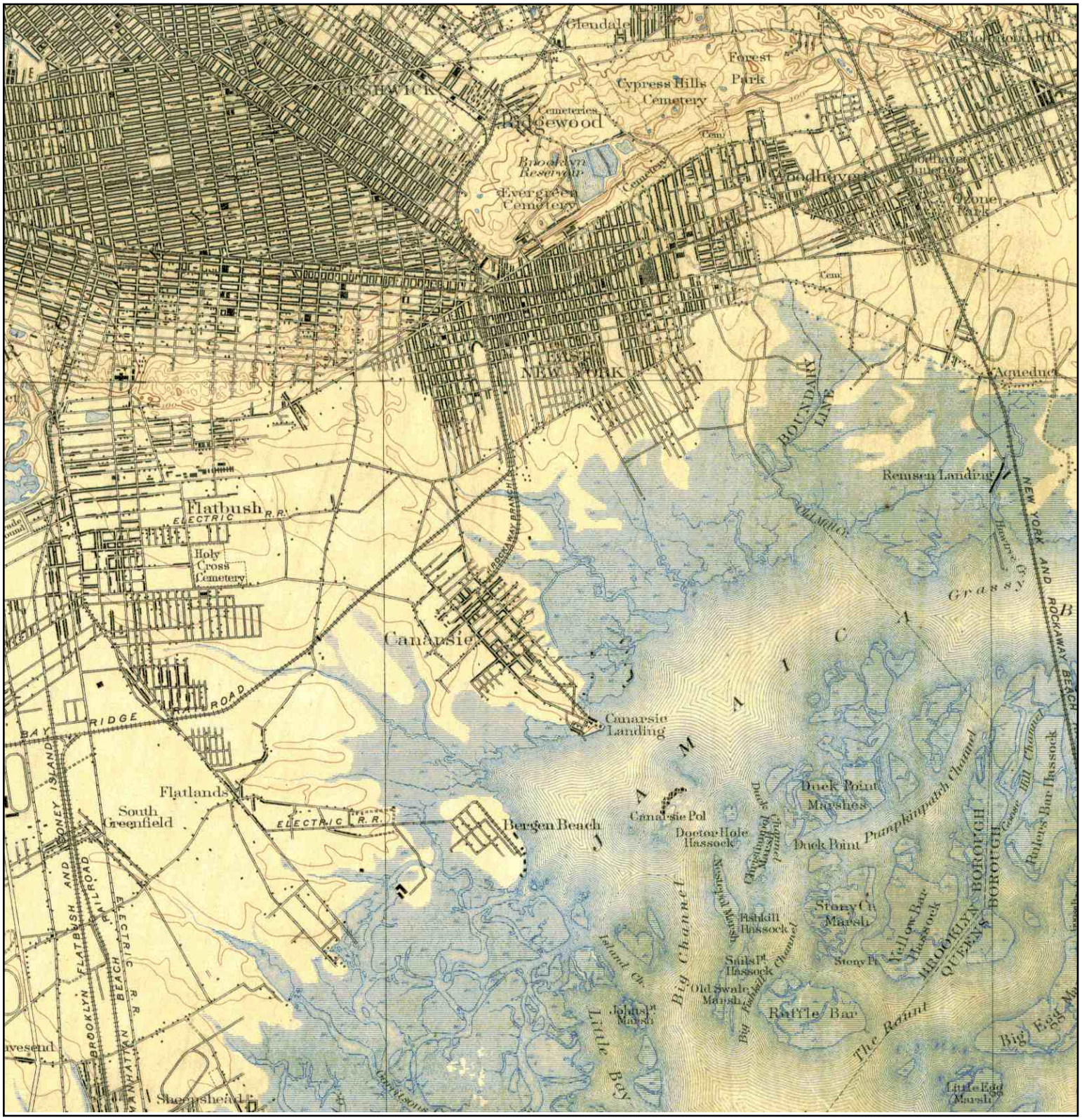
Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map

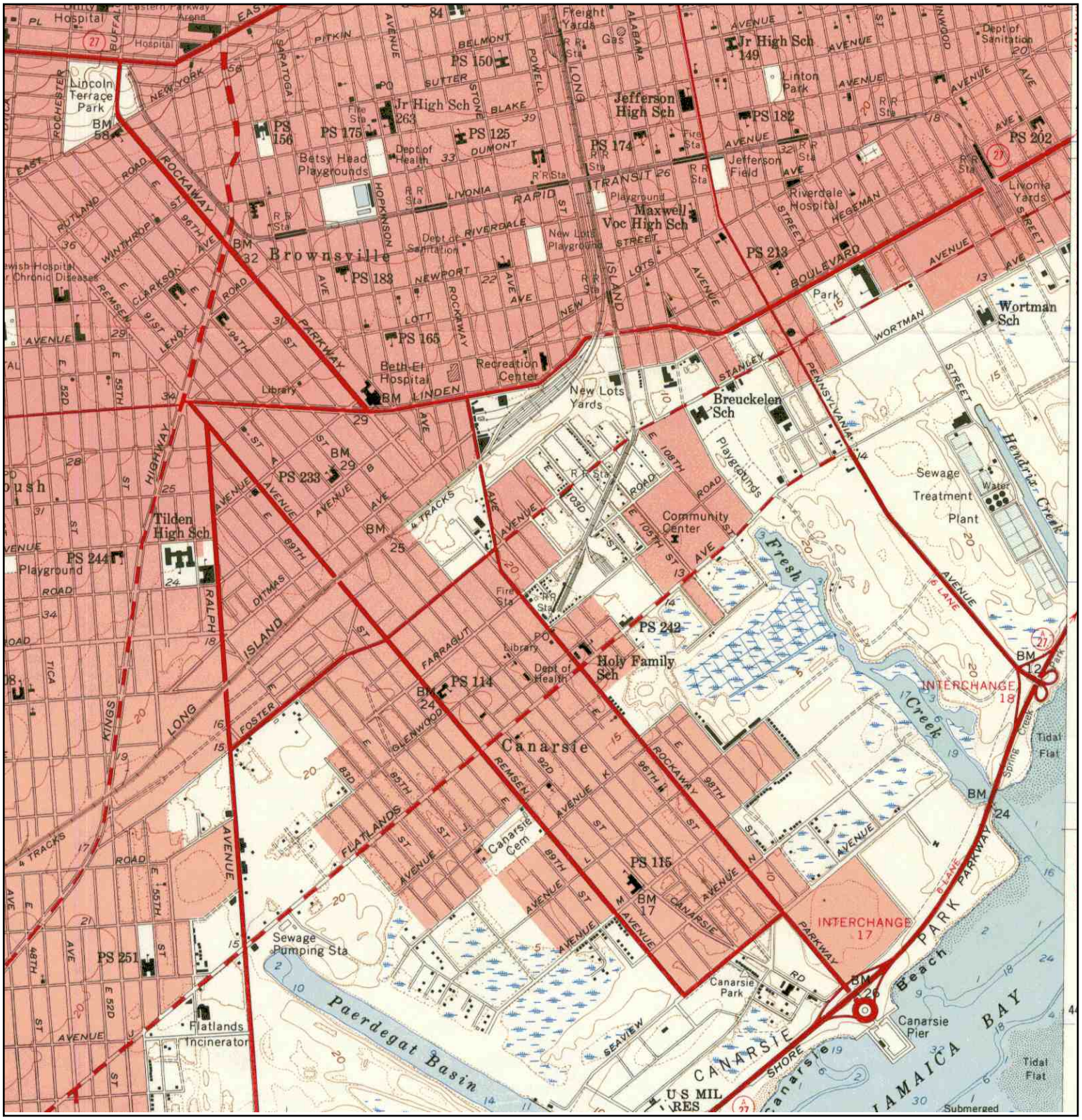


N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1900 SERIES: 15 SCALE: 1:62500	SITE NAME: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn, NY 11236 LAT/LONG: 40.6475 / -73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY#: 3278623.4 RESEARCH DATE: 03/15/2012

Historical Topographic Map

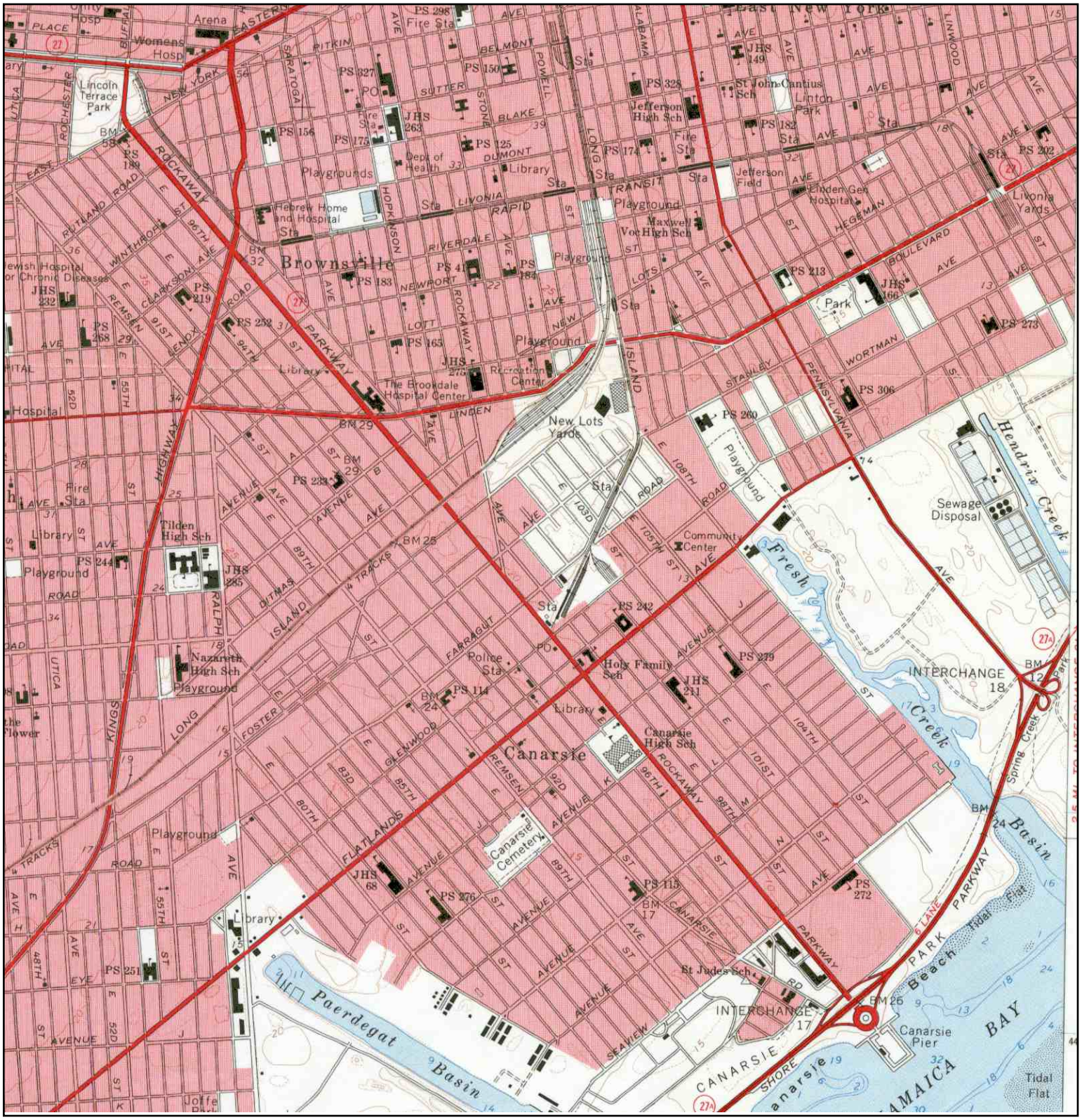
N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:25000	SITE NAME: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn, NY 11236 LAT/LONG: 40.6475 / -73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY#: 3278623.4 RESEARCH DATE: 03/15/2012

Historical Topographic Map



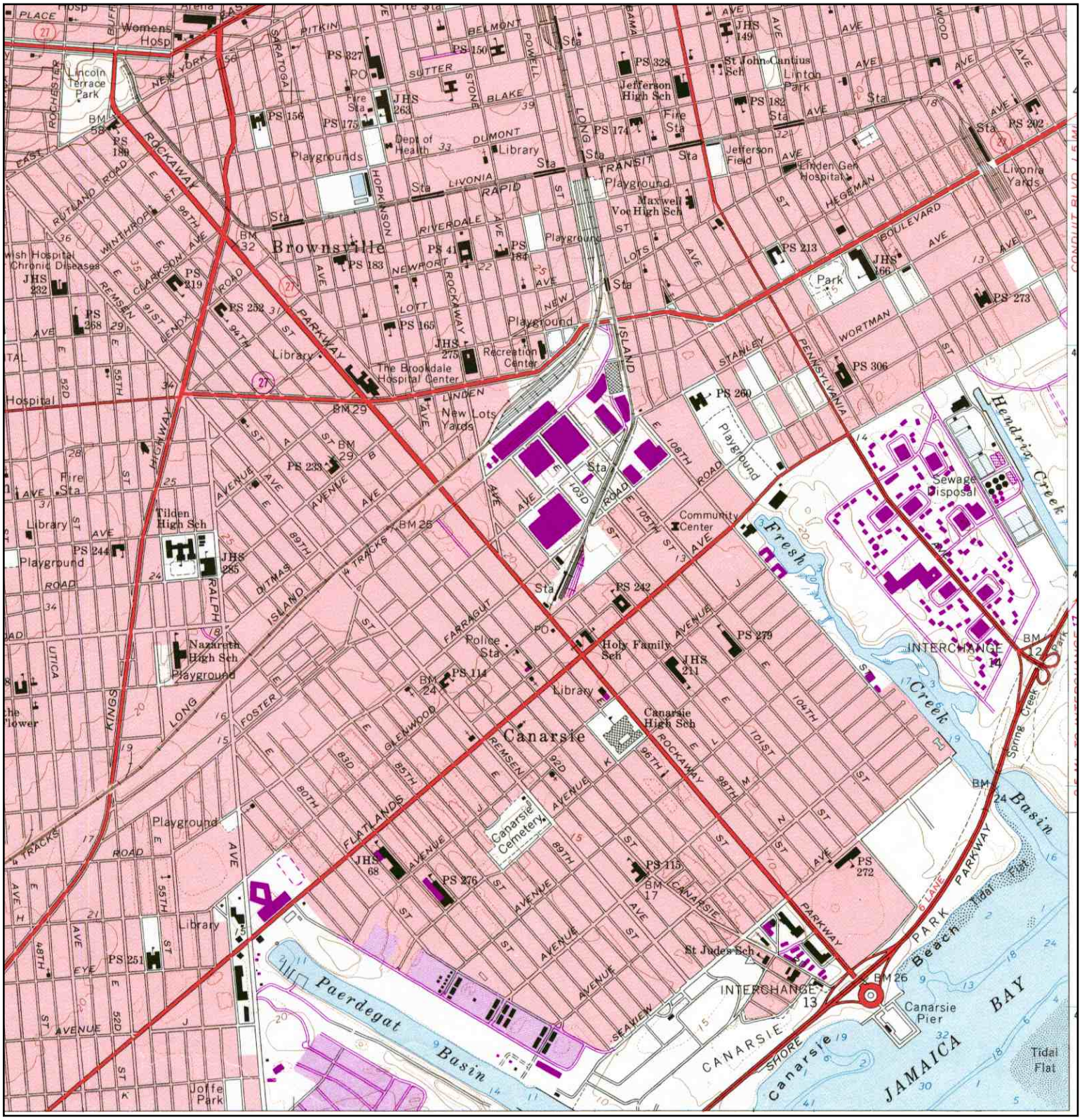
N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn, NY 11236 LAT/LONG: 40.6475 / -73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY#: 3278623.4 RESEARCH DATE: 03/15/2012

Historical Topographic Map



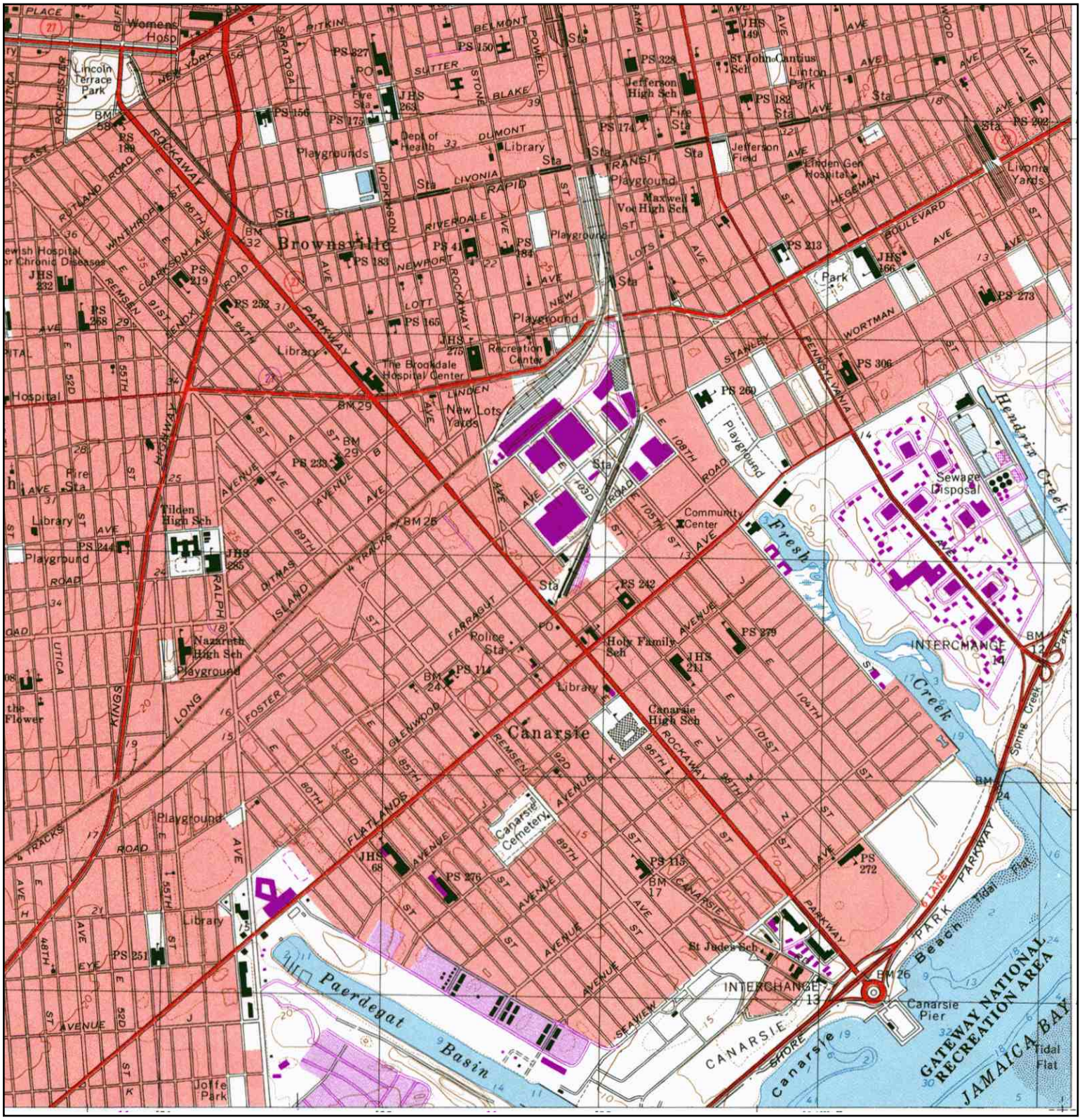
N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn, NY 11236 LAT/LONG: 40.6475 / -73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY#: 3278623.4 RESEARCH DATE: 03/15/2012

Historical Topographic Map



N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1979 PHOTOREVISED FROM :1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn, NY 11236 LAT/LONG: 40.6475 / -73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY#: 3278623.4 RESEARCH DATE: 03/15/2012

Historical Topographic Map



N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 10504 Flatlands Ave, ADDRESS: 10504 Flatlands Ave, Brooklyn, NY 11236 LAT/LONG: 40.6475 / -73.8946	CLIENT: J.R. Holzmacher PE, LLC CONTACT: Patty Zalak INQUIRY#: 3278623.4 RESEARCH DATE: 03/15/2012

10504 Flatlands Ave,
10504 Flatlands Ave,
Brooklyn, NY 11236

Inquiry Number: 3278623.6
March 15, 2012

The EDR-City Directory Abstract

Environmental Data Resources Inc

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

TABLE OF CONTENTS

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.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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	X	-
2000	Cole Information Services	-	-	-	-
1997	NYNEX	-	X	X	-
1992	NYNEX Informantion Resource Co.	X	X	X	-
1985	NYNEX Information Resources Company	X	X	X	-
1980	New York Telephone	-	X	X	-
1976	New York Telephone	X	X	X	-
1973	New York Telephone	X	X	X	-
1970	New York Telephone	-	X	X	-
1965	New York Telephone	-	-	-	-
1960	New York Telephone	-	X	X	-
1949	New York Telephone Company	-	-	-	-
1945	New York Telephone	-	-	-	-
1940	New York Telephone	-	-	-	-
1934	R. L. Polk & Co.	-	-	-	-
1928	New York Telephone	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

10504 Flatlands Ave,
Brooklyn, NY 11236

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
2005	Eagle Gas Station	Hill-Donnelly Corporation
	Sam Apper Svc Station Inc	Hill-Donnelly Corporation
1992	SAM APPER SVCE STA INC	NYNEX Informantion Resource Co.
1985	SAM APPER SVCE STA INC	NYNEX Information Resources Company
	SAM SUNOCO SVCE STA	NYNEX Information Resources Company
1976	RZEZAK FRED	New York Telephone
	SAM APPER SVCE STA INC	New York Telephone
1973	Sam Apper Svce Sta Inc	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

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

FLATLANDS

10502 FLATLANDS

Year	Uses	Source
1985	DIZENGOFF VICTOR	NYNEX Information Resources Company

10507 FLATLANDS

Year	Uses	Source
1992	SANDLER HYMAN	NYNEX Informantion Resource Co.
	EVANS H	NYNEX Informantion Resource Co.
1985	SANDIER HYMAN	NYNEX Information Resources Company
1976	SANDLER HYMAN	New York Telephone

10509 FLATLANDS

Year	Uses	Source
1992	WEISBROT A	NYNEX Informantion Resource Co.
1985	WEISBROT A	NYNEX Information Resources Company
	BELSKY MARVIN	NYNEX Information Resources Company
1976	BELSKY MARVIN	New York Telephone

10510 FLATLANDS

Year	Uses	Source
1985	BRANDEIS LESTER	NYNEX Information Resources Company
1976	KANTER WM H	New York Telephone

10511 FLATLANDS

Year	Uses	Source
1992	ANDERSON RUPERT	NYNEX Informantion Resource Co.
1985	MIRKIN REUBEN	NYNEX Information Resources Company
	BAER B	NYNEX Information Resources Company
1976	BAER B	New York Telephone

10513 FLATLANDS

Year	Uses	Source
1992	NICASTRO A	NYNEX Informantion Resource Co.
1985	NICASTRO A	NYNEX Information Resources Company

FINDINGS

Year	Uses	Source
1976	SLOAT DALE	New York Telephone
	NICASTRO A	New York Telephone

10514 FLATLANDS

Year	Uses	Source
1992	BELLAM SVAPRASAD	NYNEX Informantion Resource Co.
	HAUPTMAN MILTON	NYNEX Informantion Resource Co.
	RICHTER MICHAEL	NYNEX Informantion Resource Co.
	SPITZ D	NYNEX Informantion Resource Co.
1985	ETROG JOSEPH	NYNEX Information Resources Company
	ETROG JOSEPH	NYNEX Information Resources Company
	HAUPTMAN MILTON	NYNEX Information Resources Company
	SEIDMAN GERALD	NYNEX Information Resources Company
	SPITZ D	NYNEX Information Resources Company
	ZADOK EMANUEL	NYNEX Information Resources Company
1980	HAUPTMAN MILTON	New York Telephone
	HAUPTMAN MILTON	New York Telephone
1976	HAUPTMAN MILTON	New York Telephone
	HAUPTMAN MILTON	New York Telephone
	ETROG JOSEPH	New York Telephone
	ETROG JOSEPH	New York Telephone
	CLARKSON DAVID	New York Telephone

10515 FLATLANDS

Year	Uses	Source
1992	BREZEN BARNETT	NYNEX Informantion Resource Co.
	CARLS ANTIQUE CLOCK REPR	NYNEX Informantion Resource Co.
	COHEN HYMAN	NYNEX Informantion Resource Co.
	COHEN MILTON	NYNEX Informantion Resource Co.
	ROSENBERG BERNARD	NYNEX Informantion Resource Co.
	ROSS MARTIN	NYNEX Informantion Resource Co.
	ROSS S	NYNEX Informantion Resource Co.
1985	ABRAHAMS LARRY	NYNEX Information Resources Company
	BRENNER CARL	NYNEX Information Resources Company
	CARLS ANTIQUE CLOCK REPR	NYNEX Information Resources Company
	COHEN MILTON	NYNEX Information Resources Company
	PERMAN A	NYNEX Information Resources Company
	ROSENBERG BERNARD	NYNEX Information Resources Company
	ROSENBERG CARL	NYNEX Information Resources Company

FINDINGS

Year	Uses	Source
1985	THIER BARNEY	NYNEX Information Resources Company
1980	THIER BARNEY	New York Telephone
1976	COHEN MILTON	New York Telephone
	MCBREARTY K	New York Telephone
	LITOFF GEORGE	New York Telephone
	BREIN STANLEY	New York Telephone
	ROSENBERG BERNARD	New York Telephone
	THIER BARNEY	New York Telephone

10516 FLATLANDS

Year	Uses	Source
1992	TENEKY EZEH	NYNEX Informantion Resource Co.
	TESTA PATRICK	NYNEX Informantion Resource Co.
	HON H	NYNEX Informantion Resource Co.
	GORDON B	NYNEX Informantion Resource Co.
	GELLMAN SAMUEL TDD	NYNEX Informantion Resource Co.
	FRIEDBERG JOEL	NYNEX Informantion Resource Co.
	FABIEN S	NYNEX Informantion Resource Co.
	ALDERMAN CARL	NYNEX Informantion Resource Co.
1985	HON H	NYNEX Information Resources Company
	GELLMAN SAMUEL	NYNEX Information Resources Company
	ALDERMAN CARL	NYNEX Information Resources Company
	FRIEDBERG JOEL	NYNEX Information Resources Company

10517 FLATLANDS

Year	Uses	Source
1992	MOGOLOWITZ MARK	NYNEX Informantion Resource Co.
	MCQUILKIN G	NYNEX Informantion Resource Co.
	CALLISTE MAVIS	NYNEX Informantion Resource Co.
1985	FINNERTY M M	NYNEX Information Resources Company
	GILMAN SOL	NYNEX Information Resources Company
	MOGOLOWITZ ROSALIND MRS	NYNEX Information Resources Company
1976	CIAMPI STEPHEN L	New York Telephone
	GILMAN MINDY	New York Telephone
	MOGOLOWITZ ROSALIND MRS	New York Telephone
	GOLDMAN GAIL	New York Telephone
	GILMAN SOL	New York Telephone

FINDINGS

10518 FLATLANDS

Year	Uses	Source
1992	PINIS DARIUSZ I	NYNEX Informantion Resource Co.
	MHAL GURUSHARAN	NYNEX Informantion Resource Co.
	MAURICE FREDNEL	NYNEX Informantion Resource Co.
	BERKOWITZ I	NYNEX Informantion Resource Co.
1985	YELLIN IRVING	NYNEX Information Resources Company
	WATMAN ROSALIND	NYNEX Information Resources Company
	BERKOWITZ IRA	NYNEX Information Resources Company
	GREENBERG IVAN	NYNEX Information Resources Company
	WATMAN HARRY	NYNEX Information Resources Company
1980	BERKOWITZ IRA	New York Telephone
	WATMAN ROSALIND	New York Telephone
	YELLIN IRVING	New York Telephone
	YELLIN JEFFRAY	New York Telephone
1976	GREENBERG IVAN	New York Telephone
	WATMAN ROSALIED	New York Telephone
	GOLDSTEIN ALLAN	New York Telephone

10519 FLATLANDS

Year	Uses	Source
1992	KASSIS D	NYNEX Informantion Resource Co.
	JOHNSON GEORGE	NYNEX Informantion Resource Co.
1985	WILDSTEIN IRWIN L	NYNEX Information Resources Company
	POLLONAIS PEDRO	NYNEX Information Resources Company
	PENA A L	NYNEX Information Resources Company
1976	FINN ALAN	New York Telephone

10520 FLATLANDS

Year	Uses	Source
1985	BRAUN RUCHIE	NYNEX Information Resources Company
	DANIELS MACK	NYNEX Information Resources Company
	GOLDSTEIN ALAN	NYNEX Information Resources Company
1976	PORTNOY RAE	New York Telephone
	FEINMAN JEFF	New York Telephone
	BINDER M	New York Telephone
	ANZEL JEFFREY	New York Telephone

FINDINGS

10521 FLATLANDS

Year	Uses	Source
1992	ATLAS MOE & EDITH	NYNEX Informantion Resource Co.
	BRANGAN JOANNE	NYNEX Informantion Resource Co.
	GALLAGHER DENIS	NYNEX Informantion Resource Co.
	JOHNSON HOWARD	NYNEX Informantion Resource Co.
	PLANTIN C	NYNEX Informantion Resource Co.
	SAFONTE ANTHONY	NYNEX Informantion Resource Co.
1985	SHEEGER M	NYNEX Information Resources Company
	WEITZ J	NYNEX Information Resources Company
	ZIMMERMAN K	NYNEX Information Resources Company
	GALLAGHER DENIS	NYNEX Information Resources Company
	COLLET BARRY S DR	NYNEX Information Resources Company
	ATLAS MOE & EDITH	NYNEX Information Resources Company
1980	ATLAS MOE & EDITH	New York Telephone
1976	UNGER JAY	New York Telephone
	KIPNEES MURRAY	New York Telephone
	GURIEN IRVING J	New York Telephone
	GURIEN B	New York Telephone

10522 FLATLANDS

Year	Uses	Source
1992	AMPOLSKY IRVING	NYNEX Informantion Resource Co.
	BRUSCHANSKY BART	NYNEX Informantion Resource Co.
	GOLDSTEIN LOUIS	NYNEX Informantion Resource Co.
	PETERS E	NYNEX Informantion Resource Co.
	ORLICK MICHAEL	NYNEX Informantion Resource Co.
	JEAN-LOUIS FRANCIOS	NYNEX Informantion Resource Co.
	LEVENTHAL SIDNEY	NYNEX Informantion Resource Co.
	MITTLEMAN JUDY	NYNEX Informantion Resource Co.
1985	BERNSTEIN ALLEN	NYNEX Information Resources Company
	DUNCAN ROBERT	NYNEX Information Resources Company
	GOLDSTEIN LOUIS	NYNEX Information Resources Company
	LEVENTHAL SIDNEY	NYNEX Information Resources Company
	PHILLIPS J F	NYNEX Information Resources Company
1980	BERNSTEIN ALLAN	New York Telephone
	GOLDSTEIN LOUIS	New York Telephone
1976	BERNSTEIN ALLEN	New York Telephone
	BRUSCHANSKY BART	New York Telephone
	CACIA HAROLD	New York Telephone

FINDINGS

Year	Uses	Source
1976	FRIEDLANDER WILFRED	New York Telephone
	GOLDSTEIN LOUIS	New York Telephone
	IOVINO RONALD	New York Telephone
	LEVENTHAL SIDNEY	New York Telephone
	SOLOWAY ROBERT	New York Telephone

10523 FLATLANDS

Year	Uses	Source
1992	SERRANEAU A	NYNEX Informantion Resource Co.
	DE FELICE PHILIP	NYNEX Informantion Resource Co.
	HARRIS F	NYNEX Informantion Resource Co.
	LEE CHANG WON	NYNEX Informantion Resource Co.
	LUNDY WILLIAM	NYNEX Informantion Resource Co.
1985	SINGER NATHAN	NYNEX Information Resources Company
	DEFELICE PHILIP	NYNEX Information Resources Company
1976	GOLDEN NAT	New York Telephone
	MADAHAR D P	New York Telephone
	MARTIN TOBY	New York Telephone

10524 FLATLANDS

Year	Uses	Source
1992	WONG MEI YING	NYNEX Informantion Resource Co.
	BROWN ERROL	NYNEX Informantion Resource Co.
	LUFT DIANE	NYNEX Informantion Resource Co.
	LUFT KENNETH	NYNEX Informantion Resource Co.
	SCHNEBERG BEN	NYNEX Informantion Resource Co.
	WONG CHEUNG	NYNEX Informantion Resource Co.
	BROWN ERROL	NYNEX Informantion Resource Co.
	BRODSKY MICHAEL & SHARON	NYNEX Informantion Resource Co.
1985	ZIMBLER ELI A	NYNEX Information Resources Company
	MCKINLEY TERRY M	NYNEX Information Resources Company
	MASTROTO D	NYNEX Information Resources Company
1976	STEIN MARVIN	New York Telephone

10525 FLATLANDS

Year	Uses	Source
1992	BLOUNT SYLVIA	NYNEX Informantion Resource Co.
	MILLER DALHART	NYNEX Informantion Resource Co.
	SCHNEE P	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	SOSO KIPLING	NYNEX Informantion Resource Co.
1985	MELNICOFF IRVING	NYNEX Information Resources Company
	MATTE JACK	NYNEX Information Resources Company
	SIMON JOE	NYNEX Information Resources Company
	WEISSMAN BEVERLY	NYNEX Information Resources Company
	WEISSMAN RANDI	NYNEX Information Resources Company
1980	SIMON JOS	New York Telephone
1976	SAVITSKY NATHAN	New York Telephone
	GARFINKEL S	New York Telephone
	NIERENBERG IRVING	New York Telephone

10526 FLATLANDS

Year	Uses	Source
1992	SITKOWSKI J M	NYNEX Informantion Resource Co.
	STEWART G	NYNEX Informantion Resource Co.
1985	SITKOWSKI J M	NYNEX Information Resources Company
	ROSNER DANIEL	NYNEX Information Resources Company
	CARBONARA ANTHONY	NYNEX Information Resources Company
1980	ROCZEN TOM	New York Telephone
1976	POLK IRVING	New York Telephone
	MATZA HY M	New York Telephone
	HOLLENSTEIN THOS	New York Telephone
	CARBONARA JOHN	New York Telephone
	CORVINELLI G	New York Telephone

10527 FLATLANDS

Year	Uses	Source
1992	AIKEN BERYL	NYNEX Informantion Resource Co.
	AIKEN GARRETT	NYNEX Informantion Resource Co.
	ASCHER DANIEL	NYNEX Informantion Resource Co.
	NALMAN R	NYNEX Informantion Resource Co.
	TROTTER C B	NYNEX Informantion Resource Co.
1985	ASCHER DANIEL	NYNEX Information Resources Company
	COHEN G	NYNEX Information Resources Company
	MEVORAH STEVEN	NYNEX Information Resources Company
1980	KLIED B	New York Telephone
	STASZEWSKI GREGORY	New York Telephone
1976	ASCHER B	New York Telephone
	D ANGELO VINCENZA F	New York Telephone

FINDINGS

Year	Uses	Source
1976	EMPIRE STATE NOVLTY CORP	New York Telephone
	FREY WM M	New York Telephone
	LEWIS DAVID	New York Telephone
	NAJMAN EMIL	New York Telephone
	NAJMAN R	New York Telephone

10528 FLATLANDS

Year	Uses	Source
1992	MARTIN BARRY	NYNEX Informantion Resource Co.
	MARTIN BARRY	NYNEX Informantion Resource Co.
	MARTIN BRETT	NYNEX Informantion Resource Co.
	TUROVETSKY LEONID	NYNEX Informantion Resource Co.
	LANDAU HARVEY & MIRIAM	NYNEX Informantion Resource Co.
	GELLER IRVING	NYNEX Informantion Resource Co.
	FUCHS SAMUEL	NYNEX Informantion Resource Co.
	FUCHS SAML	NYNEX Informantion Resource Co.
1985	MARTIN BARRY	NYNEX Information Resources Company
	MARTIN BARRY	NYNEX Information Resources Company
	LANDAU HARVEY & MIRIAM	NYNEX Information Resources Company
	KAMEN S F	NYNEX Information Resources Company
	GELLER IRVING	NYNEX Information Resources Company
	FUCHS SAMUEL	NYNEX Information Resources Company
1980	FOGEL M	New York Telephone
	FOGEL M	New York Telephone
1976	ZISHUK MICHAEL	New York Telephone
	REINA BOB	New York Telephone
	GELLER IRVING	New York Telephone
	GELLER C	New York Telephone
	FUCHS SAMUEL	New York Telephone
	FUCHS SAML	New York Telephone
	BIEGELEISEN BEN	New York Telephone

10529 FLATLANDS

Year	Uses	Source
1992	POLLACK LAWRENCE MRS	NYNEX Informantion Resource Co.
	KRUSHEVSKY MIKHAIL	NYNEX Informantion Resource Co.
	POLLACK L	NYNEX Informantion Resource Co.
1985	POLLACK LAWRENCE MRS	NYNEX Information Resources Company
	LEONG STEVE	NYNEX Information Resources Company

FINDINGS

Year	Uses	Source
1985	KRUSHEVSKY MIKHAIL	NYNEX Information Resources Company
1976	POLLACK LAWRENCE MRS	New York Telephone
	LANDSKOWSKY TED	New York Telephone
	GUTKIN MARTIN	New York Telephone
	DUTCHEN WILLIAM MD	New York Telephone
	KAUFMAN ELI	New York Telephone

10530 FLATLANDS

Year	Uses	Source
1992	LINDSAY CYNTHIA	NYNEX Informantion Resource Co.
	SYBBLIS D	NYNEX Informantion Resource Co.
	RODRIGUEZ Y	NYNEX Informantion Resource Co.
1985	MALEK IRA PLAYER PIANOS	NYNEX Information Resources Company
	LEVINE S	NYNEX Information Resources Company
1976	SCHARF SAMUEL MICHAEL	New York Telephone

10531 FLATLANDS

Year	Uses	Source
1992	BYERS EUGENE ATTY	NYNEX Informantion Resource Co.
	BYERS PRISCILLA	NYNEX Informantion Resource Co.
	GERSHMAN WM	NYNEX Informantion Resource Co.
	KAPLAN MICHAEL L	NYNEX Informantion Resource Co.
	NEELMAN L	NYNEX Informantion Resource Co.
	RUDBERG A N	NYNEX Informantion Resource Co.
	WILLIAMS L	NYNEX Informantion Resource Co.
	ZYSMAN DAVID	NYNEX Informantion Resource Co.
	ZYSMAN S	NYNEX Informantion Resource Co.
1985	GROSS STEPHEN	NYNEX Information Resources Company
	GERSHMAN WM	NYNEX Information Resources Company
	KRANZ ABRAHAM L	NYNEX Information Resources Company
	MARIBO A	NYNEX Information Resources Company
	MARIBO FELICIA	NYNEX Information Resources Company
	PONCE OSCAR	NYNEX Information Resources Company
	SINCLAIR DANIEL	NYNEX Information Resources Company
	SINCLAIR R	NYNEX Information Resources Company
	UNGAR HYMAN	NYNEX Information Resources Company
	ZYSMAN DAVID	NYNEX Information Resources Company
	ZYSMAN S	NYNEX Information Resources Company
1980	SINCLAIR L	New York Telephone

FINDINGS

Year	Uses	Source
1980	GERSHMAN WM	New York Telephone
1976	UNGAR HYMAN	New York Telephone
	UNGAR HYMAN	New York Telephone
	SINCLAIR DANIEL	New York Telephone
	MOSKOWITZ STANLEY B	New York Telephone
	MINTZ CARL	New York Telephone
	KRANZ ABRAHAM L	New York Telephone
	GERSHMAN WM	New York Telephone
	EGOZI MOISES	New York Telephone

10532 FLATLANDS

Year	Uses	Source
1992	LUKOWSKY B	NYNEX Informantion Resource Co.
	GORDON CARL	NYNEX Informantion Resource Co.
	ELIA JOS R	NYNEX Informantion Resource Co.
	DAVIS J	NYNEX Informantion Resource Co.
1985	ZAHN WINNIE	NYNEX Information Resources Company
	LUKOWSKY B	NYNEX Information Resources Company
	FRIEDMAN NATHAN	NYNEX Information Resources Company
	ACCARDI ALEXNDER	NYNEX Information Resources Company
1980	ZAFRANI DEBBIE	New York Telephone
1976	SPIEGELMAN MINDY	New York Telephone
	ZAFRANI MICHAEL	New York Telephone
	BLUM TERRY	New York Telephone
	DECILLIS MATTHEW V	New York Telephone
	ELKINS IMPROVEMENT CORP	New York Telephone
	FRIEDMAN NATHAN	New York Telephone
	LUKOWSKI B	New York Telephone
	LUKOWSKY SIMA	New York Telephone
	MARCELLINO GEORGE	New York Telephone
	ACCARDI L	New York Telephone

10533 FLATLANDS

Year	Uses	Source
1992	SINGERMAN BENJAMIN	NYNEX Informantion Resource Co.
1985	SINGERMAN BENJAMIN	NYNEX Information Resources Company
1976	RACHLEFF LOUIS	New York Telephone

FINDINGS

10534 FLATLANDS

Year	Uses	Source
1992	GERSCHTMAN JACK	NYNEX Informantion Resource Co.
	WINOCUR PETER	NYNEX Informantion Resource Co.
1985	ZIMMERMAN BENIO	NYNEX Information Resources Company
1980	MARKOWITZ ELAINE	New York Telephone
1976	MARKOWITZ ELAINE	New York Telephone
	GELLERI ALEX	New York Telephone
	SINGER PHILIP	New York Telephone
	ZIMMERMAN BENIO	New York Telephone

10535 FLATLANDS

Year	Uses	Source
1992	ZIMMERMAN LEO J	NYNEX Informantion Resource Co.
	SCHWEITZER B	NYNEX Informantion Resource Co.
	BENLOSS L V	NYNEX Informantion Resource Co.
	JOSEPH MORRISON	NYNEX Informantion Resource Co.
1985	KLEINERT A	NYNEX Information Resources Company
	KLEINERT S	NYNEX Information Resources Company
	STEFADOUROS NICK	NYNEX Information Resources Company
1980	STERNSTEIN HARVEY	New York Telephone
1976	LEIBOWITZ DONALD	New York Telephone
	MILDWORM SHELLY	New York Telephone
	SERRANTONIO JOSEPH V	New York Telephone
	STEFADOUROS NICK	New York Telephone
	ZIMMERMAN LARRY	New York Telephone
	ZIMMERMAN LEO J	New York Telephone

10536 FLATLANDS

Year	Uses	Source
1992	SYLVESTER N	NYNEX Informantion Resource Co.
	BENENSON GARY	NYNEX Informantion Resource Co.
	MARKOWITZ CARL	NYNEX Informantion Resource Co.
1985	FERTOLI ROCCO	NYNEX Information Resources Company
	HOFF HENRY	NYNEX Information Resources Company
	MARKOWITZ RONALD	NYNEX Information Resources Company
	MASIA M	NYNEX Information Resources Company
1980	MARKOWITZ RONALD	New York Telephone
1976	MARCUS N	New York Telephone
	HOFF HENRY	New York Telephone

FINDINGS

Year	Uses	Source
1976	BADEN STANLEY	New York Telephone

10537 FLATLANDS

Year	Uses	Source
1992	EXPERT SPRAYING CO INC	NYNEX Informantion Resource Co.
	GURMAN JULIO	NYNEX Informantion Resource Co.
	GURMAN JULIO	NYNEX Informantion Resource Co.
	KRAVITZ JERRY	NYNEX Informantion Resource Co.
	KRAVITZ L	NYNEX Informantion Resource Co.
	KRAVITZ S	NYNEX Informantion Resource Co.
	ECHOLS K	NYNEX Informantion Resource Co.
1985	CIANTRO VINCENT	NYNEX Information Resources Company
	EPSTEIN STEPHEN L	NYNEX Information Resources Company
	EXPERT SPRAYING CO INC	NYNEX Information Resources Company
	GURMAN JULIO	NYNEX Information Resources Company
	GURMAN JULIO	NYNEX Information Resources Company
	IANELIA DOMINIC	NYNEX Information Resources Company
1976	GURMAN JULIO	New York Telephone
	GURMAN JULLO	New York Telephone
	SPALLONE SILVIO JR	New York Telephone
	EXPERT SPRAYING CO INC	New York Telephone

10538 FLATLANDS

Year	Uses	Source
1992	SCHWARTZ RICHD	NYNEX Informantion Resource Co.
	LEVINE ALVIN J	NYNEX Informantion Resource Co.
	DALANNA DARRELL	NYNEX Informantion Resource Co.
	BODEN I	NYNEX Informantion Resource Co.
	BODEN HERBERT	NYNEX Informantion Resource Co.
	ATCHAN ANIMAH	NYNEX Informantion Resource Co.
1985	SCHWARTZ RICHD	NYNEX Information Resources Company
	BARRIS SEYMOUR	NYNEX Information Resources Company
	BARRIS STEWART	NYNEX Information Resources Company
	BODEN HERBERT	NYNEX Information Resources Company
	BODEN I	NYNEX Information Resources Company
	GOODMAN ALFRED M	NYNEX Information Resources Company
	HIRSCH L	NYNEX Information Resources Company
	LEVINE ALVIN J	NYNEX Information Resources Company
	LIMARDO LUIS	NYNEX Information Resources Company

FINDINGS

Year	Uses	Source
1980	GOODMAN ALFRED M	New York Telephone
	HIRSCH L	New York Telephone
1976	BODEN HERBERT	New York Telephone
	BODEN I	New York Telephone
	CARAEFF S	New York Telephone
	CARAEFF S	New York Telephone
	FINE ROBT	New York Telephone
	GOODMAN ALFRED M	New York Telephone
	GOODMAN WILLIAM	New York Telephone
	HIRSCH L	New York Telephone
	YANTORN J	New York Telephone

10539 FLATLANDS

Year	Uses	Source
1992	EARL BROCKINGTON	NYNEX Informantion Resource Co.
1985	ESMAIEL SHABAN A	NYNEX Information Resources Company
1980	SCHILLING C	New York Telephone
1976	AMBROSIO VESUVIANO A	New York Telephone

10540 FLATLANDS

Year	Uses	Source
1992	FARKAS G	NYNEX Informantion Resource Co.
	FARKAS M	NYNEX Informantion Resource Co.
	RUBIN D	NYNEX Informantion Resource Co.
	SUKHU A	NYNEX Informantion Resource Co.
1985	FARKAS G	NYNEX Information Resources Company
	ISACSON E	NYNEX Information Resources Company
	KAWALEK MARTIN	NYNEX Information Resources Company
1976	FARINA JOSEPH	New York Telephone
	ISACSON E	New York Telephone
	RZEZAK L	New York Telephone
	WILSON M	New York Telephone
	WISUN SAM	New York Telephone

10541 FLATLANDS

Year	Uses	Source
1992	EINBERG M	NYNEX Informantion Resource Co.
	FREIDLIN BORIS	NYNEX Informantion Resource Co.
	KURCER LISA	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	NEARY KENNETH	NYNEX Informantion Resource Co.
	ROBINSON SHELDON	NYNEX Informantion Resource Co.
1985	EINBERG M	NYNEX Information Resources Company
	PATNI MADHUSUDAN I	NYNEX Information Resources Company
	HORNE D	NYNEX Information Resources Company
	PATNI MADHUSUDAN	NYNEX Information Resources Company
	TARTAK L	NYNEX Information Resources Company
	YEKELCHIK HARRY	NYNEX Information Resources Company
	FREIDLIN BORIS	NYNEX Information Resources Company
1976	ROTHMAN JACK	New York Telephone
	GOLDBERG JACK	New York Telephone
	CHAPMAN ROBERT	New York Telephone
1960	MARKOFF LEONARD	New York Telephone

10542 FLATLANDS

Year	Uses	Source
1992	SHENHOUSE S	NYNEX Informantion Resource Co.
	DIN MUNIR U	NYNEX Informantion Resource Co.
	MEYER WERNER	NYNEX Informantion Resource Co.
	SHAPIRO ARTHUR	NYNEX Informantion Resource Co.
1985	FRANK ALLAN	NYNEX Information Resources Company
	GOLDBERG JOS	NYNEX Information Resources Company
	MEYER WERNER	NYNEX Information Resources Company
	PRICE E	NYNEX Information Resources Company
	SEELMANN GEO J	NYNEX Information Resources Company
	SHAPIRO ARTHUR	NYNEX Information Resources Company
	SHENHOUSE S	NYNEX Information Resources Company
	SOLOMON STEVEN A	NYNEX Information Resources Company
1980	SHAPIRO ARTHUR	New York Telephone
1976	MEYER WERNER	New York Telephone
	SHAPIRO ARTHUR	New York Telephone
	TOPCHIK I	New York Telephone
	RYAN MICHAEL	New York Telephone

10543 FLATLANDS

Year	Uses	Source
1992	BAUM NEWTON	NYNEX Informantion Resource Co.
	HILLMAN HOWARD	NYNEX Informantion Resource Co.
	KELEJIAN RAYMOND J	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	MAURO ARNOLD	NYNEX Informantion Resource Co.
1985	BAUM NEWTON	NYNEX Information Resources Company
	GOLDSMITH IDA	NYNEX Information Resources Company
	HILLMAN HOWARD	NYNEX Information Resources Company
	KELEJIAN RAYMOND J	NYNEX Information Resources Company
	KUTNER M	NYNEX Information Resources Company
	MAURO ARNOLD	NYNEX Information Resources Company
	STARR N	NYNEX Information Resources Company
1980	HILLMAN HOWARD	New York Telephone
	ROSTOWSKY STEVAN	New York Telephone
1976	HILLMAN HOWARD	New York Telephone
	LIPSCHUTZ MARTIN	New York Telephone
	MAURO ARNOLD	New York Telephone
	FRIEDBERG JOEL	New York Telephone

10544 FLATLANDS

Year	Uses	Source
1992	FRASER CLORD	NYNEX Informantion Resource Co.
	JOSEPH B	NYNEX Informantion Resource Co.
	SEITZ MYLES	NYNEX Informantion Resource Co.
	SEITZ MYLES	NYNEX Informantion Resource Co.
	SPURILL DENISE	NYNEX Informantion Resource Co.
	SPURILL L	NYNEX Informantion Resource Co.
	SPURILL LYNETTE	NYNEX Informantion Resource Co.
1985	JOSEPH K	NYNEX Information Resources Company
	MEISEL MICHAEL	NYNEX Information Resources Company
	SEITZ MYLES	NYNEX Information Resources Company
	SEITZ MYLES	NYNEX Information Resources Company
1976	MEISEL ROBIN	New York Telephone
	SEITZ MYLES	New York Telephone
	SEITZ MYLEA	New York Telephone

10545 FLATLANDS

Year	Uses	Source
1992	SALTER R	NYNEX Informantion Resource Co.
	MALLA J	NYNEX Informantion Resource Co.
	SALTER JOE	NYNEX Informantion Resource Co.
1985	MALLA J	NYNEX Information Resources Company
	SALTER JOE	NYNEX Information Resources Company

FINDINGS

Year	Uses	Source
1985	SALTER R	NYNEX Information Resources Company
1976	SALTER JOE	New York Telephone
	MALLA J	New York Telephone

10546 FLATLANDS

Year	Uses	Source
1992	WILLIAMS ROBERT	NYNEX Informantion Resource Co.
	APSEL BERTHA	NYNEX Informantion Resource Co.
1985	APSEL BERTHA	NYNEX Information Resources Company
1976	APSEL BERTHA	New York Telephone

10547 FLATLANDS

Year	Uses	Source
1992	GRECO GEORGE A	NYNEX Informantion Resource Co.
	HILDEBRAND JACOB	NYNEX Informantion Resource Co.
	PERAGINE V	NYNEX Informantion Resource Co.
	ROTH A	NYNEX Informantion Resource Co.
	VARGAS CARMEN	NYNEX Informantion Resource Co.
	VESELY THOMAS	NYNEX Informantion Resource Co.
	VESELY THOMAS	NYNEX Informantion Resource Co.
1985	PERAGINE V	NYNEX Information Resources Company
	MONFRAIX RENE	NYNEX Information Resources Company
	NECKONOFF BARRY	NYNEX Information Resources Company
	NECKONOFF BARRY	NYNEX Information Resources Company
	PERAGINE V	NYNEX Information Resources Company
	TEMKIN BERNARD	NYNEX Information Resources Company
	VESELY THOMAS	NYNEX Information Resources Company
	GRECO GEORGE A	NYNEX Information Resources Company
	LUMBERJACK TOM	NYNEX Information Resources Company
1980	MARKOWITZ MITCHELL	New York Telephone
	PERAGINE V	New York Telephone
1976	GRECO GEORGE A	New York Telephone
	KARPEL HERMAN	New York Telephone
	MARKOWITZ G	New York Telephone
	MONGIARDO ANDREW	New York Telephone
	NECKONOFF BARRY	New York Telephone
	PERAGINE V	New York Telephone
	PEREZ RUBIN B	New York Telephone
	SHANKEN JOSEPH	New York Telephone

FINDINGS

Year	Uses	Source
1976	TEMKIN BERNARD	New York Telephone

10548 FLATLANDS

Year	Uses	Source
1992	BELLOVIN SAM	NYNEX Informantion Resource Co.
	DEVILLE JAIME	NYNEX Informantion Resource Co.
	HELFER CALVIN	NYNEX Informantion Resource Co.
	REID JUDITH	NYNEX Informantion Resource Co.
	SCHIFF B R	NYNEX Informantion Resource Co.
	SCHWAGER CHAS DR	NYNEX Informantion Resource Co.
	SCHWAGER MARIA & ALLISON	NYNEX Informantion Resource Co.
1985	FERGUSON MARIA	NYNEX Information Resources Company
	POVILL HAROLD	NYNEX Information Resources Company
	SCHIFF B R	NYNEX Information Resources Company
	SHAW S	NYNEX Information Resources Company
1980	SCHIFF B R	New York Telephone
1976	WEINSHENKER IRWIN	New York Telephone
	LEVIN JAY	New York Telephone
	ROTH H	New York Telephone

10549 FLATLANDS

Year	Uses	Source
1992	FRANCIS JENNY	NYNEX Informantion Resource Co.
	KASLON IRVING	NYNEX Informantion Resource Co.
	INNISS ANTHONY	NYNEX Informantion Resource Co.
1985	BROTH B	NYNEX Information Resources Company
	KASLON IRVING	NYNEX Information Resources Company
1980	GOODMAN IRWIN	New York Telephone
1976	GOODMAN IRWIN	New York Telephone

10550 FLATLANDS

Year	Uses	Source
1985	ACKERMAN THELMA	NYNEX Information Resources Company
1980	ACKERMAN THELMA	New York Telephone
1976	ACKERMAN THELMA	New York Telephone
	BLAUT WILLIAM	New York Telephone

10551 FLATLANDS

Year	Uses	Source
1992	SOLOMON ROY W	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	SLOAN JOEL	NYNEX Informantion Resource Co.
	ST FLEURANT HENRY	NYNEX Informantion Resource Co.
	HABER MARC	NYNEX Informantion Resource Co.
1985	WEISBLATT STACEY	NYNEX Information Resources Company
	WEISBLATT R	NYNEX Information Resources Company
	SOLOMON ROY W	NYNEX Information Resources Company
	SLOAN JOEL	NYNEX Information Resources Company
	ROSENBLATT BARRY	NYNEX Information Resources Company
	RITTERSPORN MARC	NYNEX Information Resources Company
	PASCIUCCO FRANK	NYNEX Information Resources Company
	KARNITSKY RONALD	NYNEX Information Resources Company
	HOROWITZ ALAN	NYNEX Information Resources Company
	HABER MARC	NYNEX Information Resources Company
	ALTHOLZ SYLVIA	NYNEX Information Resources Company
1980	SOLOMON ROY W	New York Telephone
1976	SLOAN JOEL	New York Telephone
	SAMUELS B	New York Telephone
	ROSEN JEFFREY	New York Telephone
	RAPPAPORT PAUL	New York Telephone
	HABER MARC	New York Telephone

10552 FLATLANDS

Year	Uses	Source
1992	BARR JUNE	NYNEX Informantion Resource Co.
	PAUL E	NYNEX Informantion Resource Co.
	HIBBERT PHILLIP A	NYNEX Informantion Resource Co.
	FRANKEL S A	NYNEX Informantion Resource Co.
	BROOMFIELD ICILDA	NYNEX Informantion Resource Co.
	BRIDGEMAN B E	NYNEX Informantion Resource Co.
1985	PAUL DAVID M	NYNEX Information Resources Company
	FRANKEL S A	NYNEX Information Resources Company
	DASCANIO ANTHONY	NYNEX Information Resources Company
	BROITMAN MICHEL	NYNEX Information Resources Company
	BROITMAN MARTIN	NYNEX Information Resources Company
1980	FRANKEL JEFF	New York Telephone
	KATZ MICHL	New York Telephone
1976	BIGMAN EDW	New York Telephone
	BARR MICHELE	New York Telephone
	BROITMAN MICHEL	New York Telephone

FINDINGS

Year	Uses	Source
1976	KAMINETSKY SHELDON	New York Telephone
	MENDELSON RICHARD	New York Telephone
	MOSE DOUGLAS	New York Telephone

10553 FLATLANDS

Year	Uses	Source
1992	TODFELD H D	NYNEX Informantion Resource Co.
	HERSKOWITZ JOSEPH	NYNEX Informantion Resource Co.
	GURMAN WILLIAM	NYNEX Informantion Resource Co.
1985	RAPHENBERG E	NYNEX Information Resources Company
	LOWENWIRT I	NYNEX Information Resources Company
1980	TODFELD H D	New York Telephone
1976	MARASCIA C	New York Telephone
	TODFELD H D	New York Telephone

10554 FLATLANDS

Year	Uses	Source
1992	CHAMBERS PETER	NYNEX Informantion Resource Co.
	CHAMBERS VALERIE	NYNEX Informantion Resource Co.
	CICCONE JOHN	NYNEX Informantion Resource Co.
	GELZER G	NYNEX Informantion Resource Co.
	GLASER ROBIN L	NYNEX Informantion Resource Co.
	PONZIO GUS	NYNEX Informantion Resource Co.
1985	KRIEGER A & L	NYNEX Information Resources Company
	LENTINI DEBRA	NYNEX Information Resources Company
1980	WULLIGER SOLOMON L RABBI	New York Telephone
	WULLIGER SOLOMON L RABBI	New York Telephone
1976	NEUMAN S	New York Telephone
	SALZBERG BARRY	New York Telephone
	WEISS GLORIA	New York Telephone
	WULLIGER SOLOMON L RABBI	New York Telephone
	WULLIGER SOLOMON L RABBI	New York Telephone

10555 FLATLANDS

Year	Uses	Source
1992	MARQUE MARIA	NYNEX Informantion Resource Co.
1985	MANNELLO M	NYNEX Information Resources Company
	COVEN JEFFREY L	NYNEX Information Resources Company
	HOLBIN MARY E	NYNEX Information Resources Company

FINDINGS

Year	Uses	Source
1985	JONAS IRA	NYNEX Information Resources Company
	COVEN JEFFREY L	NYNEX Information Resources Company
1976	ELLENBOGEN RAPHAEL	New York Telephone
	HOMER SIDNEY	New York Telephone

10556 FLATLANDS

Year	Uses	Source
1992	JOSEPH STEPHEN	NYNEX Informantion Resource Co.
	JONES WILLIE JR	NYNEX Informantion Resource Co.
	ANTOIONE A	NYNEX Informantion Resource Co.
	SARABUN MARTHA	NYNEX Informantion Resource Co.
1985	MILLER M	NYNEX Information Resources Company
	MARKOWITZ RUBIN	NYNEX Information Resources Company
1980	MARKOWITZ RUBIN	New York Telephone
1976	JACOBS JULIAN	New York Telephone
	MARKOWITZ RUBIN	New York Telephone
	RUSSO ROBERT	New York Telephone
	SARABUN MARTHA	New York Telephone
	ZIVYAK MANYA	New York Telephone

10557 FLATLANDS

Year	Uses	Source
1992	ROBINSON M	NYNEX Informantion Resource Co.
	GIL ROBERTO	NYNEX Informantion Resource Co.
	LEBOWITZ MALCOLM	NYNEX Informantion Resource Co.
	LEBOWITZ P H	NYNEX Informantion Resource Co.
	MASON BRUCE	NYNEX Informantion Resource Co.
	OGOFF RANDY	NYNEX Informantion Resource Co.
	POLANSKY S	NYNEX Informantion Resource Co.
	RANDOLPH ARTHUR	NYNEX Informantion Resource Co.
1985	LEBOWITZ MALCOLM	NYNEX Information Resources Company
	LEBOWITZ P H	NYNEX Information Resources Company
	MASON BRUCE	NYNEX Information Resources Company
	PENA JAVIER	NYNEX Information Resources Company
	STRASFELD A	NYNEX Information Resources Company
	VITELLI ARNOLD JR	NYNEX Information Resources Company
1980	OGOFF M	New York Telephone
1976	LEBOWITZ P H	New York Telephone
	MASON BRUCE	New York Telephone

FINDINGS

Year	Uses	Source
1976	NEW YORK ALARM SYSTEMS INC	New York Telephone
	WILLNER MEL	New York Telephone
	LEBOWITZ MALCOLM	New York Telephone

10558 FLATLANDS

Year	Uses	Source
1992	CANARSIE EMPLOYMENT AGENCY INC	NYNEX Informantion Resource Co.
	MONN FREDDA	NYNEX Informantion Resource Co.
	MONN NATAHAN	NYNEX Informantion Resource Co.
	PLUMER PHILIP	NYNEX Informantion Resource Co.
	STAR PERSONNEL AGENCY INC	NYNEX Informantion Resource Co.
	YAKER I	NYNEX Informantion Resource Co.
1985	MILLMAN S	NYNEX Information Resources Company
	MONN FREDDA	NYNEX Information Resources Company
	PLUMER PHILIP	NYNEX Information Resources Company
	REITER JAY W	NYNEX Information Resources Company
	REITER JAY W	NYNEX Information Resources Company
	YAKER I	NYNEX Information Resources Company
1980	ADLOWITZ A M	New York Telephone
	YAKER I	New York Telephone
	YAKER I	New York Telephone
1976	PLUMER PHILIP	New York Telephone
	REITER JAY W	New York Telephone
	REITER JAY W	New York Telephone
	BREGER MARK S	New York Telephone

10559 FLATLANDS

Year	Uses	Source
1992	DROBBIN BERTRAM J	NYNEX Informantion Resource Co.
1985	DROBBIN BERTRAM J	NYNEX Information Resources Company
	FLEISCHMAN ZANE	NYNEX Information Resources Company
	FONG F	NYNEX Information Resources Company
	PRAGER STANLEY	NYNEX Information Resources Company
	RUBIN H S	NYNEX Information Resources Company
1980	PRAGER CHERYL	New York Telephone
	PRAGER STANLEY	New York Telephone
1976	KREITMAN BARRY	New York Telephone
	PRAGER STANLEY	New York Telephone
	TURTEL LAWRENCE	New York Telephone

FINDINGS

Year	Uses	Source
1976	ALPERT MARTIN	New York Telephone
	CAMHI A	New York Telephone

10560 FLATLANDS

Year	Uses	Source
1992	REINGOLD JERALD	NYNEX Informantion Resource Co.
	BEN-HANANIA RAFAEL	NYNEX Informantion Resource Co.
	GOLDBERG R J	NYNEX Informantion Resource Co.
	OTTLEY DOUGLAS	NYNEX Informantion Resource Co.
1985	GOLDBERG R J	NYNEX Information Resources Company
	REINGOLD JERALD	NYNEX Information Resources Company
	ALI MUBARAK	NYNEX Information Resources Company
	BEN-HANANIA RAFAEL	NYNEX Information Resources Company
1980	GOLDBERG ROBIN JN	New York Telephone
1976	BARANSKY IRWIN	New York Telephone

10561 FLATLANDS

Year	Uses	Source
1992	ADAMS ANTHONY B	NYNEX Informantion Resource Co.
	ADAMS ANTHONY B	NYNEX Informantion Resource Co.
	CANARSIE PHYSICAL THERAPY	NYNEX Informantion Resource Co.
	CHAMBERS JAMES R	NYNEX Informantion Resource Co.
	DAWN TRUCKING CORP	NYNEX Informantion Resource Co.
	FALK IRVING	NYNEX Informantion Resource Co.
	FRANZ P	NYNEX Informantion Resource Co.
	FRANZ P	NYNEX Informantion Resource Co.
	KATZMAN J	NYNEX Informantion Resource Co.
	STABINER R	NYNEX Informantion Resource Co.
1985	FOUR STAR HANDLING CORP	NYNEX Information Resources Company
	JOY S	NYNEX Information Resources Company
	KATZMAN J	NYNEX Information Resources Company
	MINKIN ROBERT	NYNEX Information Resources Company
	RUBIN MARK	NYNEX Information Resources Company
	ZORROS VICTOR	NYNEX Information Resources Company
	ZORROS VICTOR	NYNEX Information Resources Company
1980	KATZMAN J	New York Telephone
	KATZMAN S	New York Telephone
	STEUER JERRY	New York Telephone
1976	ZORROS VICTOR	New York Telephone

FINDINGS

Year	Uses	Source
1976	STEUER JERRY	New York Telephone
	KATZMAN J	New York Telephone

10562 FLATLANDS

Year	Uses	Source
1992	AIDAN ZION	NYNEX Informantion Resource Co.
	DELMONT CARPET & UPHOLSTERY CLNG SPECIALIST INC	NYNEX Informantion Resource Co.
	LUBOW SAMUEL	NYNEX Informantion Resource Co.
	TOLLIN J	NYNEX Informantion Resource Co.
1985	DELMONT CARPET & UPHOLSTERY CLNG SPECIALISTS INC	NYNEX Information Resources Company
	DASCANIO ANTHONY	NYNEX Information Resources Company
	JOHN DOUGLAS	NYNEX Information Resources Company
	LEBOWITZ B MRS	NYNEX Information Resources Company
1980	LEFKOWITZ PINCHUC	New York Telephone
	SCHIMMEL W	New York Telephone
1976	SOLOMON HOWARD	New York Telephone
	PECORIELLO PAUL	New York Telephone
	LEBOWITZ B MRS	New York Telephone
	DECARLO JACK	New York Telephone
	COLLINS FRANCINE	New York Telephone

10563 FLATLANDS

Year	Uses	Source
1992	CHIN E	NYNEX Informantion Resource Co.
	DELPESCHE HUGH	NYNEX Informantion Resource Co.
	DELPESCHE ROSE CLEER	NYNEX Informantion Resource Co.
	FIELDS JACK	NYNEX Informantion Resource Co.
	KIANG JOHNNY	NYNEX Informantion Resource Co.
	SONSKY M	NYNEX Informantion Resource Co.
	WILSON SADIE L	NYNEX Informantion Resource Co.
1985	ARON HERSH	NYNEX Information Resources Company
	FIELDS JACK	NYNEX Information Resources Company
	GELBER STANLEY F	NYNEX Information Resources Company
	MITCHELL ANDREW	NYNEX Information Resources Company
	WILSON SADIE L	NYNEX Information Resources Company
1980	FIELDS JACK	New York Telephone
1976	WITTLIN THEODORE	New York Telephone
	SIROTA PHILIP	New York Telephone

FINDINGS

Year	Uses	Source
1976	GROSS LEWIS	New York Telephone
	GOLDMAN ALBERT	New York Telephone
	ARON HERSH	New York Telephone
	FIELDS JACK	New York Telephone

10564 FLATLANDS

Year	Uses	Source
1992	ALTERMAN S	NYNEX Informantion Resource Co.
	AUGUSTINE PATRICIA	NYNEX Informantion Resource Co.
	HUTCHINSON PAMELA & LEROY	NYNEX Informantion Resource Co.
	KATZ J	NYNEX Informantion Resource Co.
	KATZ J	NYNEX Informantion Resource Co.
	KATZ JERRY	NYNEX Informantion Resource Co.
	VALME MARIE	NYNEX Informantion Resource Co.
1985	MASTROV GERALD	NYNEX Information Resources Company
	KATZ JERRY	NYNEX Information Resources Company
	KATZ J	NYNEX Information Resources Company
	FISCHER MORRIS	NYNEX Information Resources Company
	CASSATA J	NYNEX Information Resources Company
	ALTERMAN S A	NYNEX Information Resources Company
	ALTERMAN S	NYNEX Information Resources Company
	SEINFELD IRA	NYNEX Information Resources Company
1976	SEINFELD IRA	New York Telephone
	MASTROV GERALD	New York Telephone
	ALTERMAN S A	New York Telephone
	KARMI DAVID	New York Telephone

10565 FLATLANDS

Year	Uses	Source
1985	CHOI A	NYNEX Information Resources Company
	ZHO JU XIU	NYNEX Information Resources Company
1976	PFITZNER WERNERA	New York Telephone
	STEIN ELI	New York Telephone

10566 FLATLANDS

Year	Uses	Source
1985	SANTOPIETRO B	NYNEX Information Resources Company

FINDINGS

10567 FLATLANDS

Year	Uses	Source
1997	SIMMONS Allen	NYNEX
1992	BAYEWITCH E	NYNEX Informantion Resource Co.
	GRAMSAULL VALENTINE	NYNEX Informantion Resource Co.
	LINSENBERG LOUIS	NYNEX Informantion Resource Co.
	SCHWER MARVIN	NYNEX Informantion Resource Co.
	SIMMONS ALLEN	NYNEX Informantion Resource Co.
	SIMMONS SEYMOUR	NYNEX Informantion Resource Co.
	SPIEGLER ALLEN	NYNEX Informantion Resource Co.
	SPIEGLER ALLEN	NYNEX Informantion Resource Co.
1985	BAYEWITCH E	NYNEX Information Resources Company
	FORDIN BILLY	NYNEX Information Resources Company
	FORDIN JEROME	NYNEX Information Resources Company
	MILSTEIN MORRIS	NYNEX Information Resources Company
	NG CHUNG LIM	NYNEX Information Resources Company
	SCHWER MARVIN	NYNEX Information Resources Company
	SHAPIRO R	NYNEX Information Resources Company
	SIMMONS ALLEN	NYNEX Information Resources Company
	SIMMONS SEYMOUR	NYNEX Information Resources Company
	SPIEGLER ALLEN	NYNEX Information Resources Company
	TORRES D	NYNEX Information Resources Company
1980	FORDIN JEROME	New York Telephone
	SCHIMMEL S	New York Telephone
	SIMMONS SEYMOUR	New York Telephone
1976	MYERS JOHN P	New York Telephone
	ROSES NELL	New York Telephone
	SCHWER MARVIN	New York Telephone
	SIMMONS ALLEN	New York Telephone
	SIMMONS SEYMOUR	New York Telephone
	SPIEGLER ALLEN	New York Telephone
	BAYEWITCH E	New York Telephone
	FORDIN JEROME	New York Telephone
	KIRSCHNER IRWIN	New York Telephone
	MILSTEIN MORRIS	New York Telephone

10568 FLATLANDS

Year	Uses	Source
1992	HARNIK DAVID	NYNEX Informantion Resource Co.
	LASOFF JOSEPH	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	LUPOWITZ HOWARD	NYNEX Informantion Resource Co.
	MATTE JACK	NYNEX Informantion Resource Co.
	NEWMAN NEIL	NYNEX Informantion Resource Co.
	SNITKIN ISIDORE	NYNEX Informantion Resource Co.
	STEINBERG ERIC	NYNEX Informantion Resource Co.
	ALTMAN DAVID	NYNEX Informantion Resource Co.
1985	SCHWARTZ J	NYNEX Information Resources Company
	LESANSKY HERMAN H	NYNEX Information Resources Company
	LASOFF JOSEPH	NYNEX Information Resources Company
	HARNIK DAVID	NYNEX Information Resources Company
	GELLER PENNI	NYNEX Information Resources Company
	GOLDENBERG SIDNEY	NYNEX Information Resources Company
	COHEN D	NYNEX Information Resources Company
	ALTMAN DAVID	NYNEX Information Resources Company
1980	LESANSKY HERMAN H	New York Telephone
	DOWE M	New York Telephone
1976	LODA ANTONE	New York Telephone
	LASOFF JOSEPH	New York Telephone
	JONAS IRA	New York Telephone
	GOLDENBERG SIDNEY	New York Telephone
	BLOOM ALLAN	New York Telephone

10569 FLATLANDS

Year	Uses	Source
1992	WROBEL ABRAM	NYNEX Informantion Resource Co.
	AHMAD RIAZ	NYNEX Informantion Resource Co.
	RACAQ MOHAMMAD	NYNEX Informantion Resource Co.
	CHEEMA MUHAMMAD AKRAM	NYNEX Informantion Resource Co.
1985	WROBEL ABRAM	NYNEX Information Resources Company
	KARP M	NYNEX Information Resources Company
	GORGONI A	NYNEX Information Resources Company
	APELEWICZ JACOB RABBI	NYNEX Information Resources Company
1980	APELEWICZ JACOB RABBI	New York Telephone
1976	KARP MICHELLE E	New York Telephone
	HIRSCH MILTON	New York Telephone
	DASHMAN PAUL	New York Telephone
	APELEWICZ JACOB RABBI	New York Telephone

FINDINGS

10570 FLATLANDS

Year	Uses	Source
1992	GRAHAM LLOYD G	NYNEX Informantion Resource Co.
	REYES SANDRA	NYNEX Informantion Resource Co.
	NEWLAND LEONARD	NYNEX Informantion Resource Co.
1985	SCHRAGER SIDNEY	NYNEX Information Resources Company
1980	EHRLICH D	New York Telephone
1976	EHRLICH D	New York Telephone
	SASONKIN G	New York Telephone
	BALIBER MORRIS	New York Telephone
	CARL ARTHUR	New York Telephone

10571 FLATLANDS

Year	Uses	Source
1992	WALKER KAY	NYNEX Informantion Resource Co.
	LA PIERRE PHILBERT	NYNEX Informantion Resource Co.
	FAISON WILBERT	NYNEX Informantion Resource Co.
	DUKHOVHY ANATELY	NYNEX Informantion Resource Co.
	BRANDMAN SHELDON	NYNEX Informantion Resource Co.
1985	ROODENDURG I	NYNEX Information Resources Company
	GREENBERG JOSEPH D	NYNEX Information Resources Company
	GOLDSTEIN RICHARD	NYNEX Information Resources Company
	GIWNER MORRIS	NYNEX Information Resources Company
	GIWNER MORRIS	NYNEX Information Resources Company
	FARKAS HYMAN	NYNEX Information Resources Company
	BRANDMAN SHELDON	NYNEX Information Resources Company
	ARKOW P	NYNEX Information Resources Company
1980	GOLDSTEIN RICHARD	New York Telephone
	DIAMOND MICHAEL	New York Telephone
1976	NADLER JEANETTE I	New York Telephone
	MOFFITT ALBERT	New York Telephone
	MILLER H A	New York Telephone
	LEIFMAN MORRIS	New York Telephone
	KUTIS IRA S	New York Telephone
	JASSEM M INC	New York Telephone
	GOLDSTEIN RICHARD	New York Telephone
	FARKAS HYMAN	New York Telephone
	DIAMOND MICHAEL	New York Telephone
	CHALNICK FRED	New York Telephone
	LINKSMAN STEVEN	New York Telephone

FINDINGS

10572 FLATLANDS

Year	Uses	Source
1992	CHAUDHRY RUBINA	NYNEX Informantion Resource Co.
	DENNIS J J	NYNEX Informantion Resource Co.
	GORDON RICHARD	NYNEX Informantion Resource Co.
	HASID EFRAIM	NYNEX Informantion Resource Co.
	MARTIN E COHEN REAL ESTATE BROKER	NYNEX Informantion Resource Co.
	STERNGLANTZ IRWIN	NYNEX Informantion Resource Co.
	STERNGLANTZ R	NYNEX Informantion Resource Co.
	TUCKER ERROL	NYNEX Informantion Resource Co.
	ZUCHMACHER JOAN	NYNEX Informantion Resource Co.
1985	COHEN MARTIN E	NYNEX Information Resources Company
	DESENA ROBERT	NYNEX Information Resources Company
	GUTMAN H	NYNEX Information Resources Company
	JOAN MS ELECTROLYSIS	NYNEX Information Resources Company
	LEE YUK CHIU	NYNEX Information Resources Company
	LINDE E	NYNEX Information Resources Company
	LINDE E	NYNEX Information Resources Company
	REISFIELD PAY	NYNEX Information Resources Company
	SHALMONI MOSHE	NYNEX Information Resources Company
	STENGLANTZ IRWIN	NYNEX Information Resources Company
1976	COHEN MARTIN E	New York Telephone
	DESENA ELIAS W	New York Telephone
	FARHI HARRY	New York Telephone
	KESSLER ROBT	New York Telephone
	LIEBERMAN ROBT B	New York Telephone
	LINDE DENNIS	New York Telephone
	MILETSKY STEVEN	New York Telephone
	STERNGLANTZ IRWIN	New York Telephone

10573 FLATLANDS

Year	Uses	Source
1992	CHANCE PAUL	NYNEX Informantion Resource Co.
	HAVASI BELA	NYNEX Informantion Resource Co.
1985	HAVASI BELA	NYNEX Information Resources Company
1980	HAUASI BELA	New York Telephone
1976	SOVANSKY SCOTT	New York Telephone
	KAMMERDENER L	New York Telephone
	HAVASI BELA	New York Telephone

FINDINGS

Year	Uses	Source
1976	JUFFIE SAM	New York Telephone

10574 FLATLANDS

Year	Uses	Source
1992	SAGER STEVEN	NYNEX Informantion Resource Co.
1985	WALTER ROYNA M	NYNEX Information Resources Company
	WATLER R M	NYNEX Information Resources Company
	MARKUS MARVIN	NYNEX Information Resources Company
1980	KAUFMAN AL	New York Telephone

10575 FLATLANDS

Year	Uses	Source
1992	CHAPMAN S	NYNEX Informantion Resource Co.
	ELLIS PAUL C	NYNEX Informantion Resource Co.
	FOSTER-DAVIS DONALD	NYNEX Informantion Resource Co.
	JACQUET DOROTHY	NYNEX Informantion Resource Co.
	CHAMBERS E	NYNEX Informantion Resource Co.
1985	SCANDIFFIO JOHN	NYNEX Information Resources Company
	GOLDSTEIN S J	NYNEX Information Resources Company
	MCGARRY E	NYNEX Information Resources Company
1980	LEVINSON GEORGE	New York Telephone
1976	HASSON SAML J	New York Telephone
	LEVINSON BARRY	New York Telephone
	LEVINSON GEORGE	New York Telephone
	SCANDIFFIO JOHN	New York Telephone
	VEGA J	New York Telephone

10576 FLATLANDS

Year	Uses	Source
1992	BROWN JANICE	NYNEX Informantion Resource Co.
1985	WEINER HELEN	NYNEX Information Resources Company
	SPRUCK HARRY	NYNEX Information Resources Company
	DAVIS E	NYNEX Information Resources Company
1980	SPRUCK HARRY	New York Telephone
1976	GRADO N	New York Telephone
	DAVIS E	New York Telephone

10577 FLATLANDS

Year	Uses	Source
1997	FITZPATRICK Frank	NYNEX

FINDINGS

Year	Uses	Source
1992	DOBSON K	NYNEX Informantion Resource Co.
	KAPITANSKY MILTON	NYNEX Informantion Resource Co.
	PRICE IRVING	NYNEX Informantion Resource Co.
	ROTHFIELD IRWIN	NYNEX Informantion Resource Co.
	ROTHFIELD MARTIN	NYNEX Informantion Resource Co.
1985	ENGEL MICHAEL	NYNEX Information Resources Company
	GLICK W	NYNEX Information Resources Company
	PRICE IRVING	NYNEX Information Resources Company
	REINLIEB ROGER	NYNEX Information Resources Company
	WEISSMAN JEFFREY	NYNEX Information Resources Company
1980	ROTHFELD MARTIN	New York Telephone
	PAGETON ARTHUR	New York Telephone
1976	ROTHFLELD MARTIN	New York Telephone
	PRICE IRVING	New York Telephone
	LUCAS R	New York Telephone
	LUCAS E	New York Telephone
	DEBONO GERALD	New York Telephone

10578 FLATLANDS

Year	Uses	Source
1992	COHEN MICHAEL	NYNEX Informantion Resource Co.
	DHUE LILLIAN	NYNEX Informantion Resource Co.
	FINKEL SHAUL	NYNEX Informantion Resource Co.
	SHALMONI MOSHE	NYNEX Informantion Resource Co.
	SHALMONI MOSHE	NYNEX Informantion Resource Co.
1985	GLENN WARREN	NYNEX Information Resources Company
	DHUE LILLIAN	NYNEX Information Resources Company
	BRANDA PATSY	NYNEX Information Resources Company
	BARBIERI GEO P	NYNEX Information Resources Company
1976	PAXTON THOMAS	New York Telephone
	PAXTON EDWIN S	New York Telephone
	KINKHABWALA MAHESH	New York Telephone

10580 FLATLANDS

Year	Uses	Source
1985	CENTRONE M	NYNEX Information Resources Company
	COOPER S M	NYNEX Information Resources Company
1980	RICKMAN M	New York Telephone
1976	RICKMAN M	New York Telephone

Year	Uses	Source
1976	CAPARELLA MARTIN A	New York Telephone

10582 FLATLANDS

Year	Uses	Source
1992	ZIMMERMAN NORMAN	NYNEX Informantion Resource Co.
1985	ZIMMERMAN NORMAN	NYNEX Information Resources Company
	ZIMMERMAN ROBERT	NYNEX Information Resources Company
1976	ZIMMERMAN MARC	New York Telephone
	ZIMMERMAN NORMAN	New York Telephone

FLATLANDS AV

10547 FLATLANDS AV

Year	Uses	Source
1985	MCCANN MITCHELL	NYNEX Information Resources Company

FLATLANDS AVE

10509 FLATLANDS AVE

Year	Uses	Source
2005	Cofleld Ronald	Hill-Donnelly Corporation

10510 FLATLANDS AVE

Year	Uses	Source
2005	Samuel Robinson Unda	Hill-Donnelly Corporation

10513 FLATLANDS AVE

Year	Uses	Source
2005	Chandler Diana	Hill-Donnelly Corporation
	Philllip Astra	Hill-Donnelly Corporation

10514 FLATLANDS AVE

Year	Uses	Source
2005	Michel Dianne	Hill-Donnelly Corporation
	h Deratus Moril	Hill-Donnelly Corporation
	Alleyne Denise	Hill-Donnelly Corporation
	h Rawle Profitt	Hill-Donnelly Corporation
	Pierre Mickel	Hill-Donnelly Corporation
1992	E & G DRY CLEANERS	NYNEX Informantion Resource Co.

FINDINGS

10515 FLATLANDS AVE

Year	Uses	Source
2005	Number4 Alleyne Leroy M	Hill-Donnelly Corporation
	Number1 Bailey Nicola	Hill-Donnelly Corporation
	Number5 Blackmore C	Hill-Donnelly Corporation
	Number5 Castan S	Hill-Donnelly Corporation
	Number1 Dunstan Kerry Ann v	Hill-Donnelly Corporation
	Number8 Maynard E	Hill-Donnelly Corporation
	Number7 h Musa Kamal A	Hill-Donnelly Corporation
	Number2 Wong lck Hong	Hill-Donnelly Corporation
	Number4 Alleyne Isaline	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
1997	BRIM Karen	NYNEX
1973	Cohen Milton	New York Telephone

10516 FLATLANDS AVE

Year	Uses	Source
2005	Number2 Thorpe Leans	Hill-Donnelly Corporation
	Number7 Rupnaraln Naraln	Hill-Donnelly Corporation
	Number7 Robertson A	Hill-Donnelly Corporation
	Number8 Hunte B	Hill-Donnelly Corporation
	Number7 Webster Anderson	Hill-Donnelly Corporation
	Number4 Gordon B	Hill-Donnelly Corporation
	Number2 Gonzalez Jose	Hill-Donnelly Corporation
	Mul Unit Address	Hill-Donnelly Corporation
	Number4 Gordon Ishmael	Hill-Donnelly Corporation

10517 FLATLANDS AVE

Year	Uses	Source
2005	Number4 Bannister J	Hill-Donnelly Corporation
	Continued	Hill-Donnelly Corporation
	Number2 Sharpe Hyadnth	Hill-Donnelly Corporation
	l Number 1 Mcquilkln G	Hill-Donnelly Corporation
	Number2 Mcewan K	Hill-Donnelly Corporation
	Number1 H Mc Qullkin Junior	Hill-Donnelly Corporation
	Number2 Gayle Howard	Hill-Donnelly Corporation
	Number1 Fabian Cadet s	Hill-Donnelly Corporation

FINDINGS

10518 FLATLANDS AVE

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Corporation
	Number4 Capo Paul	Hill-Donnelly Corporation
	Number1 Green v	Hill-Donnelly Corporation
	Number3 Hollingsworth Christine A	Hill-Donnelly Corporation
	Number3 Hollingsworth Wayne	Hill-Donnelly Corporation
	Number2 Langaigne Lincoln v	Hill-Donnelly Corporation
	Number2 LDmolny Ulrick	Hill-Donnelly Corporation
	Number1 Monsanto Jovonne N	Hill-Donnelly Corporation
	Number2 Vil Florence	Hill-Donnelly Corporation

10519 FLATLANDS AVE

Year	Uses	Source
2005	Johnson Ruby	Hill-Donnelly Corporation
	Blake Ulla	Hill-Donnelly Corporation

10520 FLATLANDS AVE

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Corporation
	Number4 Mitchener Jenn	Hill-Donnelly Corporation
	Number1 Louis Theltcia oa	Hill-Donnelly Corporation
	Number3 Halloway Sheryl	Hill-Donnelly Corporation
	Number3 Halloway Shelley	Hill-Donnelly Corporation
	Number3 Halloway S	Hill-Donnelly Corporation
	Number3 Halloway G	Hill-Donnelly Corporation
	Number4 Crossen Aaron	Hill-Donnelly Corporation
	Number1 Bernard Jean S	Hill-Donnelly Corporation
1997	JEAN W	NYNEX

10521 FLATLANDS AVE

Year	Uses	Source
2005	Waitz J	Hill-Donnelly Corporation
	Sterfling Carmen	Hill-Donnelly Corporation
	Graham Francis N	Hill-Donnelly Corporation
	Collet Louis L 8 S	Hill-Donnelly Corporation
	Collet Barry S Dr	Hill-Donnelly Corporation
	Atlas Moe & Edith	Hill-Donnelly Corporation
	Alexis M	Hill-Donnelly Corporation
1973	Sheeger S	New York Telephone

FINDINGS

10522 FLATLANDS AVE

Year	Uses	Source
2005	Bruschansky Bernard	Hill-Donnelly Corporation
	Turner Emma	Hill-Donnelly Corporation
	Marfo Yaw	Hill-Donnelly Corporation
1970	Leventhal Sidney	New York Telephone

10524 FLATLANDS AVE

Year	Uses	Source
2005	Wong Kim	Hill-Donnelly Corporation
	h Mei Mel Ying	Hill-Donnelly Corporation
	Luft Kenneth	Hill-Donnelly Corporation
	Guerrier Solon	Hill-Donnelly Corporation
	Campbell	Hill-Donnelly Corporation
	Campbell Beverly v	Hill-Donnelly Corporation
1997	WONG Cheung	NYNEX
	WONG Cheung	NYNEX

10525 FLATLANDS AVE

Year	Uses	Source
2005	Rowe Kevin	Hill-Donnelly Corporation
	Boyd Jacqueline	Hill-Donnelly Corporation
	Bonitto Andrew	Hill-Donnelly Corporation
	Alfred Juliana	Hill-Donnelly Corporation
	Trotman S	Hill-Donnelly Corporation

10526 FLATLANDS AVE

Year	Uses	Source
2005	Stewart M	Hill-Donnelly Corporation
	Pascal Rouandy	Hill-Donnelly Corporation
	Nelson Dorothy	Hill-Donnelly Corporation
	Masse Valerie Ketsia	Hill-Donnelly Corporation
	Chang Paul	Hill-Donnelly Corporation
	Campbell Paul	Hill-Donnelly Corporation
1973	Matza Hy M	New York Telephone

10527 FLATLANDS AVE

Year	Uses	Source
2005	Najman R	Hill-Donnelly Corporation
	h Walker Seane	Hill-Donnelly Corporation
	Ascher Daniel	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Anderson Cynthia	Hill-Donnelly Corporation
	Anderson Cynthia P	Hill-Donnelly Corporation
1997	TROTTER C B	NYNEX

10528 FLATLANDS AVE

Year	Uses	Source
2005	Number2 Etienne Charles	Hill-Donnelly Corporation
	Number7 Dixon Kevin	Hill-Donnelly Corporation
	Number2 h Diaquol Marie Claire	Hill-Donnelly Corporation
	Number1 Braithwaite Terrence	Hill-Donnelly Corporation
	Number7 Lorine Jean U	Hill-Donnelly Corporation
	Number2 Bishop Junior	Hill-Donnelly Corporation
	Number8 Barratt Elizabeth	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
	Number1 Braithwaite Terrance	Hill-Donnelly Corporation
1973	Geller Irving	New York Telephone

10529 FLATLANDS AVE

Year	Uses	Source
2005	Farley D v 9 B	Hill-Donnelly Corporation
	Pollack Lawrence	Hill-Donnelly Corporation
	Whyte	Hill-Donnelly Corporation
1997	WALLACE Janet	NYNEX

10530 FLATLANDS AVE

Year	Uses	Source
2005	Jordan Ian	Hill-Donnelly Corporation
	Hutchinson Claudette	Hill-Donnelly Corporation
	Lee Aston W Sr	Hill-Donnelly Corporation

10531 FLATLANDS AVE

Year	Uses	Source
2005	Number1 Joseph Sherrl	Hill-Donnelly Corporation
	Number3 Johnson Devon A 9 S	Hill-Donnelly Corporation
	Number2 Hughes James Rosebelle	Hill-Donnelly Corporation
	Number8 Burke Sandra	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
	Number4 Krell Philip	Hill-Donnelly Corporation
	Number2 Raymo Rudo	Hill-Donnelly Corporation
	Number7 Lucas Marcia	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Number6 Lemer Edward	Hill-Donnelly Corporation
	Number6 Lemer Alan	Hill-Donnelly Corporation
1997	BYERS Priscilla	NYNEX
1970	Ribman Barry L	New York Telephone

10532 FLATLANDS AVE

Year	Uses	Source
2005	Vaneecia Lark	Hill-Donnelly Corporation
	Sumler Jerlahma	Hill-Donnelly Corporation
	Nazinltsky C	Hill-Donnelly Corporation
	Lukowsky B	Hill-Donnelly Corporation
	Jackson Dwain	Hill-Donnelly Corporation
	Blain Jack Ie	Hill-Donnelly Corporation
	Forde Sonia	Hill-Donnelly Corporation
1997	ANTOINE Fribert	NYNEX
1970	Zimel Stanley	New York Telephone
	Marcellino Dominick	New York Telephone

10533 FLATLANDS AVE

Year	Uses	Source
2005	Forbes Louanne	Hill-Donnelly Corporation
	Forbes Ria	Hill-Donnelly Corporation
	Krakinowskl Nisn	Hill-Donnelly Corporation
	Wilson Natalie	Hill-Donnelly Corporation

10534 FLATLANDS AVE

Year	Uses	Source
2005	Harris Carrie	Hill-Donnelly Corporation
	Gordon K	Hill-Donnelly Corporation
	Duffus Mavis	Hill-Donnelly Corporation
	Venus Dorette	Hill-Donnelly Corporation

10535 FLATLANDS AVE

Year	Uses	Source
2005	German Stacy	Hill-Donnelly Corporation
	Francis Alleyne Andrea	Hill-Donnelly Corporation
	H Crooks Cecle	Hill-Donnelly Corporation
	Boothe Clarkson	Hill-Donnelly Corporation
	h Joseph Alford	Hill-Donnelly Corporation

FINDINGS

10536 FLATLANDS AVE

Year	Uses	Source
2005	h Alllson Karen	Hill-Donnelly Corporation
	Peters Sylvia	Hill-Donnelly Corporation
1970	Schutzbank Barry	New York Telephone

10537 FLATLANDS AVE

Year	Uses	Source
2005	h 1 Walton W	Hill-Donnelly Corporation
	Kautzsch Karl	Hill-Donnelly Corporation
	Farquharson D	Hill-Donnelly Corporation
1997	HUNTER Frank	NYNEX
	MOORE Elainea	NYNEX
1973	Spallone Silvio Jr	New York Telephone

10538 FLATLANDS AVE

Year	Uses	Source
2005	Fuller Jessica	Hill-Donnelly Corporation
	Jessimy Cheryl	Hill-Donnelly Corporation
	H Levine Alvin J	Hill-Donnelly Corporation
	Veira David	Hill-Donnelly Corporation
	Viera Aubrey	Hill-Donnelly Corporation
	Dalanna Darrell	Hill-Donnelly Corporation
1997	MARTINEZ Vanessa	NYNEX

10539 FLATLANDS AVE

Year	Uses	Source
2005	Williams S	Hill-Donnelly Corporation
	Mccaddy Jobson Julle	Hill-Donnelly Corporation
	Billett Margarita	Hill-Donnelly Corporation
1973	Ambrosio Vessviano A	New York Telephone

10540 FLATLANDS AVE

Year	Uses	Source
2005	Foster Kenya	Hill-Donnelly Corporation
	Grange Philbert 8& Johanna	Hill-Donnelly Corporation
	Ponde Irvin	Hill-Donnelly Corporation
	Mattocks Ernest	Hill-Donnelly Corporation
	Mc Cullough Tanya	Hill-Donnelly Corporation
	Jordan Cheryl	Hill-Donnelly Corporation
1973	Wilson Alan	New York Telephone

FINDINGS

10541 FLATLANDS AVE

Year	Uses	Source
2005	Aslm Doreen Y	Hill-Donnelly Corporation
	Parchment Luis	Hill-Donnelly Corporation
	Parchment D A	Hill-Donnelly Corporation
	Medina P	Hill-Donnelly Corporation
	Fermin Margaret	Hill-Donnelly Corporation
	Digi Terms	Hill-Donnelly Corporation
	h Cabera J	Hill-Donnelly Corporation

10542 FLATLANDS AVE

Year	Uses	Source
2005	Brown Alton	Hill-Donnelly Corporation
	h Elcy Bemadeau	Hill-Donnelly Corporation
	Lyle Veronica	Hill-Donnelly Corporation
	Ottley Robertha	Hill-Donnelly Corporation
	Dubos Adrienne	Hill-Donnelly Corporation
	Gaston Paul & Maggie	Hill-Donnelly Corporation
	Hinds Dawn	Hill-Donnelly Corporation
	Katzman J	Hill-Donnelly Corporation
	h Khan Eugene	Hill-Donnelly Corporation
	Slmms F	Hill-Donnelly Corporation
	Malla J	Hill-Donnelly Corporation
	Malla Milton	Hill-Donnelly Corporation
	Abraham Sonny	Hill-Donnelly Corporation
	Bums Pamela	Hill-Donnelly Corporation
	HJean A	Hill-Donnelly Corporation
	Ozemoya S	Hill-Donnelly Corporation
	Bellovin Sam	Hill-Donnelly Corporation
	Brown L	Hill-Donnelly Corporation
	Undo Lorma	Hill-Donnelly Corporation
	Rampersaud Daokle	Hill-Donnelly Corporation
	Reid Judith	Hill-Donnelly Corporation
	Sayroo Mr& Tarachand	Hill-Donnelly Corporation
	Hillkidua	Hill-Donnelly Corporation
	Guirand Marie	Hill-Donnelly Corporation
	Whyte Vemasta	Hill-Donnelly Corporation
	Haber R	Hill-Donnelly Corporation
	Haber R	Hill-Donnelly Corporation
	Hydleburg Mark	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Unlsay D	Hill-Donnelly Corporation
	Walters Daisy	Hill-Donnelly Corporation
	Weisblatt Stanley	Hill-Donnelly Corporation
	Multi Un It Address	Hill-Donnelly Corporation
	Number8 Akin C	Hill-Donnelly Corporation
	Number3 Broomfield Icilda	Hill-Donnelly Corporation
	Number8 Fashusi I	Hill-Donnelly Corporation
	Number6 Frankel S A	Hill-Donnelly Corporation
	Number2 Frith M	Hill-Donnelly Corporation
	Number2 h Jackson Esmeralda	Hill-Donnelly Corporation
	Number4 Johnson David	Hill-Donnelly Corporation
	Number6 Moskowltz Jack	Hill-Donnelly Corporation
	Number7 Richards Gladstone	Hill-Donnelly Corporation
	Number7 Richards S	Hill-Donnelly Corporation
	Number7 Richards S	Hill-Donnelly Corporation
	Boursiquot Mariefrmone	Hill-Donnelly Corporation
	Robin ET	Hill-Donnelly Corporation
	Robin Winston	Hill-Donnelly Corporation
	Glaser Robin L	Hill-Donnelly Corporation
	Jackson M	Hill-Donnelly Corporation
	Mcdougald Debra	Hill-Donnelly Corporation
	Ridgeway Natoya	Hill-Donnelly Corporation
	Wren Jones & Glendell	Hill-Donnelly Corporation
	Darby Louisette	Hill-Donnelly Corporation
	Decato Roger G Sr	Hill-Donnelly Corporation
	Lebrun Luc	Hill-Donnelly Corporation
	Ramos Peter	Hill-Donnelly Corporation
	Edwards Phyllis	Hill-Donnelly Corporation
	Ellis Christopher	Hill-Donnelly Corporation
	Joseph Phyllis	Hill-Donnelly Corporation
	Joseph Stephen as	Hill-Donnelly Corporation
	Marshall Patricia	Hill-Donnelly Corporation
	Moses Aubrey	Hill-Donnelly Corporation
	Rudley James	Hill-Donnelly Corporation
	Best Smith Sharon	Hill-Donnelly Corporation
	Best Smith Sharon	Hill-Donnelly Corporation
	Hildebrand Jacob	Hill-Donnelly Corporation
	Holtzman R S	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Lebowitz Malcolm	Hill-Donnelly Corporation
	Mitchel George J	Hill-Donnelly Corporation
	Pickid S	Hill-Donnelly Corporation
	Chariot Joseph Elle	Hill-Donnelly Corporation
	h Mit Chel I Opal	Hill-Donnelly Corporation
	Yaker	Hill-Donnelly Corporation
	Cadesce Marie +7 Kelly Judit	Hill-Donnelly Corporation
	Blackman T	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
	Number6 Cousins Celena	Hill-Donnelly Corporation
	Number2 Greaves Christopher	Hill-Donnelly Corporation
	Number2 Helligar Francesa	Hill-Donnelly Corporation
	Number3 Richards B	Hill-Donnelly Corporation
	Number3 Richards Dawn	Hill-Donnelly Corporation
	Continued	Hill-Donnelly Corporation
	Number5 Tingue Derwln	Hill-Donnelly Corporation
	Number5 Tingue Gloria	Hill-Donnelly Corporation
	Number8 Vemet	Hill-Donnelly Corporation
	Forrester Gamett	Hill-Donnelly Corporation
	Haye C	Hill-Donnelly Corporation
	Johnson T	Hill-Donnelly Corporation
	Small Eze	Hill-Donnelly Corporation
	Stewart Bertel	Hill-Donnelly Corporation
	Tunau Bashir	Hill-Donnelly Corporation
	Emanuel Fedrick	Hill-Donnelly Corporation
	Emnanuel Fedrick	Hill-Donnelly Corporation
	Rose Jeffery	Hill-Donnelly Corporation
	Spurll	Hill-Donnelly Corporation
	Sutherland Angela	Hill-Donnelly Corporation
	Warren Rubyv	Hill-Donnelly Corporation
	Bryan Majonrie	Hill-Donnelly Corporation

10543 FLATLANDS AVE

Year	Uses	Source
1997	MAURO Arnold	NYNEX

10544 FLATLANDS AVE

Year	Uses	Source
1970	Seitz Myles	New York Telephone

FINDINGS

10545 FLATLANDS AVE

Year	Uses	Source
1997	MALLA J	NYNEX

10547 FLATLANDS AVE

Year	Uses	Source
1973	Karpel Herman	New York Telephone
	Pearlman Philip A	New York Telephone
1970	Karpel Herman	New York Telephone

10548 FLATLANDS AVE

Year	Uses	Source
1997	RAMPERSAUD Daokie	NYNEX

10551 FLATLANDS AVE

Year	Uses	Source
1973	Wiliner Gerald	New York Telephone

10552 FLATLANDS AVE

Year	Uses	Source
1997	MOSKOVITZ Jack	NYNEX
	RICHARDS S	NYNEX
	BRIDGEMAN B E	NYNEX
	BROOMFIELD Icilda	NYNEX

10556 FLATLANDS AVE

Year	Uses	Source
1973	Spivack Gayle M	New York Telephone

10558 FLATLANDS AVE

Year	Uses	Source
1970	Kreitman Barry M	New York Telephone

10559 FLATLANDS AVE

Year	Uses	Source
1997	GEORGE Calvin	NYNEX
1973	Alpert Ronnie	New York Telephone
	Alpert Martin	New York Telephone

10562 FLATLANDS AVE

Year	Uses	Source
2005	Number4 Schimmel Jack	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Number9 h Ph Illips Michael	Hill-Donnelly Corporation
	Number9 h Trisvan Ruth	Hill-Donnelly Corporation
	Number2 Tiingue Monzis	Hill-Donnelly Corporation
	Number3 Moodle Winnlfred	Hill-Donnelly Corporation
	Number6 Lauenborg R	Hill-Donnelly Corporation
	Number6 Goldberg L	Hill-Donnelly Corporation
	Number3 Forrest B	Hill-Donnelly Corporation
	Number2 Craig George	Hill-Donnelly Corporation
	Number5 Calliste Debby	Hill-Donnelly Corporation
	Number7 Baptiste S	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation

10563 FLATLANDS AVE

Year	Uses	Source
2005	Ollivierre Cl Ifton	Hill-Donnelly Corporation
	Delpesche Hugh 8& Rose Cleer	Hill-Donnelly Corporation
	Del pesche Hugh	Hill-Donnelly Corporation
	Alves Charlton	Hill-Donnelly Corporation
	Stanford D G	Hill-Donnelly Corporation

10564 FLATLANDS AVE

Year	Uses	Source
2005	Number4 Hutchinson Pamela & Leroy	Hill-Donnelly Corporation
	Number2 Valme Joshua	Hill-Donnelly Corporation
	Number10 Katz Jerry	Hill-Donnelly Corporation
	Number10 Katz J	Hill-Donnelly Corporation
	Number10 Katz J	Hill-Donnelly Corporation
	Number2 Valme Marie	Hill-Donnelly Corporation
	Number1 Duncan Ransford	Hill-Donnelly Corporation
	Number6 Collins R	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
1970	Alterman S A	New York Telephone

10565 FLATLANDS AVE

Year	Uses	Source
1997	COOMBS Iris	NYNEX
	COOMBS Mervyn	NYNEX

FINDINGS

10566 FLATLANDS AVE

Year	Uses	Source
2005	Fermande Rony	Hill-Donnelly Corporation

10567 FLATLANDS AVE

Year	Uses	Source
2005	Philip Augustina	Hill-Donnelly Corporation
	Simmons Seymour	Hill-Donnelly Corporation
	Rhonde Lorraine	Hill-Donnelly Corporation
	Rubln L v	Hill-Donnelly Corporation
	h Reece W	Hill-Donnelly Corporation
1970	Singer Louis	New York Telephone

10568 FLATLANDS AVE

Year	Uses	Source
2005	h Lasoff Joseph	Hill-Donnelly Corporation
	Jean Pierre Michel	Hill-Donnelly Corporation
	Jean P	Hill-Donnelly Corporation
	H Jack C	Hill-Donnelly Corporation
	Charles & Pearl	Hill-Donnelly Corporation
	Steinberg Eric	Hill-Donnelly Corporation

10569 FLATLANDS AVE

Year	Uses	Source
2005	Millen El Andrae	Hill-Donnelly Corporation
	Blake Nyron vv	Hill-Donnelly Corporation
	Blake Geraldlne	Hill-Donnelly Corporation

10570 FLATLANDS AVE

Year	Uses	Source
2005	Graham Paul	Hill-Donnelly Corporation
	Graham Lloyd G	Hill-Donnelly Corporation
	h Rhoden Radle	Hill-Donnelly Corporation
	Jacobs Bola & Fola	Hill-Donnelly Corporation

10571 FLATLANDS AVE

Year	Uses	Source
2005	Number5 Mione Alessandro	Hill-Donnelly Corporation
	Number3 Moe Leon & Kimberiey	Hill-Donnelly Corporation
	Number8 h Marshall Jones S	Hill-Donnelly Corporation
	Number1 La Pierre Muline	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Number2 Vema Jean v	Hill-Donnelly Corporation
	Number6 h Knight V	Hill-Donnelly Corporation
	Number5 h Samey Belle	Hill-Donnelly Corporation
	Number2 Rambeet Elise	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
	Number2 Bailey Carolyn	Hill-Donnelly Corporation
	Number6 Mayers Dotlyn	Hill-Donnelly Corporation
	Number1 Coutain A	Hill-Donnelly Corporation
	Best lian	Hill-Donnelly Corporation
1997	MARSHALL JONES S	NYNEX
1973	Chalnick Fred	New York Telephone

10572 FLATLANDS AVE

Year	Uses	Source
2005	Tucker Errol	Hill-Donnelly Corporation
	Martin E Cohen Real Estate	Hill-Donnelly Corporation
	h Lewis Eric	Hill-Donnelly Corporation
	Freda A	Hill-Donnelly Corporation
	Desena Elias W v	Hill-Donnelly Corporation
	h Costello Fannie	Hill-Donnelly Corporation
	Cohen Martin E	Hill-Donnelly Corporation

10573 FLATLANDS AVE

Year	Uses	Source
2005	James Joycelyn	Hill-Donnelly Corporation
	Havasi Bela	Hill-Donnelly Corporation
	Spiridonov Yuriy	Hill-Donnelly Corporation
	h Mitchell Wills	Hill-Donnelly Corporation
	Mitchell Wills	Hill-Donnelly Corporation

10574 FLATLANDS AVE

Year	Uses	Source
2005	Mitchell Ernest	Hill-Donnelly Corporation

10575 FLATLANDS AVE

Year	Uses	Source
2005	Jean Joseph Sandra P	Hill-Donnelly Corporation
	Jacquet Willy	Hill-Donnelly Corporation
	Chapman Sandra	Hill-Donnelly Corporation
1973	Scandiffio John	New York Telephone

10576 FLATLANDS AVE

Year	Uses	Source
2005	Gordon A	Hill-Donnelly Corporation
	H Brown Janice	Hill-Donnelly Corporation
	Brown Ena	Hill-Donnelly Corporation
	Hall Hitery	Hill-Donnelly Corporation
1997	BROWN Janice	NYNEX
	BROWN Janice	NYNEX

10577 FLATLANDS AVE

Year	Uses	Source
2005	Wiltis Larry v	Hill-Donnelly Corporation
	Willis L	Hill-Donnelly Corporation
	Massey Betty	Hill-Donnelly Corporation
	Engel Michael	Hill-Donnelly Corporation
	Davidovich Robert	Hill-Donnelly Corporation
	Chang Ericav	Hill-Donnelly Corporation
	Willis Lawrence	Hill-Donnelly Corporation

10578 FLATLANDS AVE

Year	Uses	Source
2005	Smith Agath	Hill-Donnelly Corporation
	Sherman Marvin v	Hill-Donnelly Corporation
	Scdpio Myma	Hill-Donnelly Corporation
	Perides Alix v	Hill-Donnelly Corporation
	h Cayemitte Evelyne	Hill-Donnelly Corporation
1973	Shirali S R MD	New York Telephone

10580 FLATLANDS AVE

Year	Uses	Source
2005	Foster Smith Jacqueline	Hill-Donnelly Corporation

10582 FLATLANDS AVE

Year	Uses	Source
2005	Jean Guy v 71 B	Hill-Donnelly Corporation

FLATLANDS I

10520 FLATLANDS I

Year	Uses	Source
1985	PORTNOY RAE	NYNEX Information Resources Company

FINDINGS

10532 FLATLANDS I

Year	*Uses*	*Source*
1980	GOODMAN SHELDON	New York Telephone

10556 FLATLANDS I

Year	*Uses*	*Source*
1992	ZIVYAK MANYA	NYNEX Informantion Resource Co.
1985	ZIVYAK MANYA	NYNEX Information Resources Company

10569 FLATLANDS I

Year	*Uses*	*Source*
1980	WROBEL ABRAM	New York Telephone

10572 FLATLANDS I

Year	*Uses*	*Source*
1985	DUVAL C	NYNEX Information Resources Company

FLATLANDS st

10526 FLATLANDS st

Year	*Uses*	*Source*
1973	Carbonara John	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
10504 Flatlands Ave,	2000, 1997, 1980, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 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
10502 FLATLANDS	2005, 2000, 1997, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10507 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10509 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10509 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10510 FLATLANDS	2005, 2000, 1997, 1992, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10510 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10511 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10513 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10513 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10514 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10514 FLATLANDS AVE	2000, 1997, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10515 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10515 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10516 FLATLANDS	2005, 2000, 1997, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10516 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10517 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10517 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10518 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10518 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
10519 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10519 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10520 FLATLANDS	2005, 2000, 1997, 1992, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10520 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10520 FLATLANDS I	2005, 2000, 1997, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10521 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10521 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10522 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10522 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10523 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10524 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10524 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10525 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10525 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10526 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10526 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10526 FLATLANDS st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10527 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10527 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10528 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10528 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10529 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10529 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10530 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10530 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10531 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10531 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10532 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
10532 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10532 FLATLANDS I	2005, 2000, 1997, 1992, 1985, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10533 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10533 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10534 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10534 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10535 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10535 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10536 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10536 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10537 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10537 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10538 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10538 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10539 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10539 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10540 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10540 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10541 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
10541 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10542 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10542 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10543 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10543 FLATLANDS AVE	2005, 2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10544 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10544 FLATLANDS AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10545 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10545 FLATLANDS AVE	2005, 2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
10546 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10547 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10547 FLATLANDS AV	2005, 2000, 1997, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10547 FLATLANDS AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10548 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10548 FLATLANDS AVE	2005, 2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10549 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10550 FLATLANDS	2005, 2000, 1997, 1992, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10551 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10551 FLATLANDS AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10552 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10552 FLATLANDS AVE	2005, 2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10553 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10554 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10555 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10556 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10556 FLATLANDS AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10556 FLATLANDS I	2005, 2000, 1997, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10557 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10558 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10558 FLATLANDS AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10559 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10559 FLATLANDS AVE	2005, 2000, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10560 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10561 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10562 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10562 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10563 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10563 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
10564 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10564 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10565 FLATLANDS	2005, 2000, 1997, 1992, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10565 FLATLANDS AVE	2005, 2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10566 FLATLANDS	2005, 2000, 1997, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10566 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10567 FLATLANDS	2005, 2000, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10567 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10568 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10568 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10569 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10569 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10569 FLATLANDS I	2005, 2000, 1997, 1992, 1985, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10570 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10570 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10571 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10571 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10572 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10572 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10572 FLATLANDS I	2005, 2000, 1997, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10573 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10573 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10574 FLATLANDS	2005, 2000, 1997, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10574 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10575 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10575 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10576 FLATLANDS	2005, 2000, 1997, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
10576 FLATLANDS AVE	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10577 FLATLANDS	2005, 2000, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10577 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10578 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10578 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10580 FLATLANDS	2005, 2000, 1997, 1992, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10580 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10582 FLATLANDS	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
10582 FLATLANDS AVE	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

Appendix B
2012-07-03 J.C. Broderick
GPR Report

J.C. Broderick & Associates, Inc.

Environmental Consulting & Construction Testing

1775 Expressway Drive North
Hauppauge, NY 11788
631.584.5492
Fax: 631.584.3395
www.jcbroderick.com

July 3, 2012

Mr. James M. DeMartinis
J.R. Holzmacher P.E., LLC
300 Wheeler Road, Suite 402
Hauppauge, New York 11788

Re:	**Limited Subsurface Inspection at**
Site:	**105-04 Flatlands Avenue Brooklyn, New York 11236**
Site Visit:	**July 2, 2012**
JCB#:	**12-23532**

Dear Mr. DeMartinis:

J.C. Broderick & Associates, Inc. (JCB) was retained to perform a limited subsurface inspection at the above referenced site. The site visit was performed by an experienced JCB Subsurface Inspector on the above referenced date and consisted of the following:

- A limited subsurface inspection of the designated area of concern at the above referenced site. The area of concern was identified on a project drawing provided to JCB by J.R. Holzmacher P.E., LLC (see attachment). The inspection was performed, utilizing a Sensors & Software Noggin 250 Smart Cart ground penetrating radar (GPR) and a White's TM 808 Metal Detector, in an attempt to locate Underground Storage Tanks (USTs) within the area of concern. The anomalies identified were reviewed by the operator and compared against past experience, technical judgment and prior site knowledge for classification.

Summary of Subsurface Inspection

- Several subsurface anomalies were identified, however, no subsurface anomalies indicative of USTs were identified during the inspection.

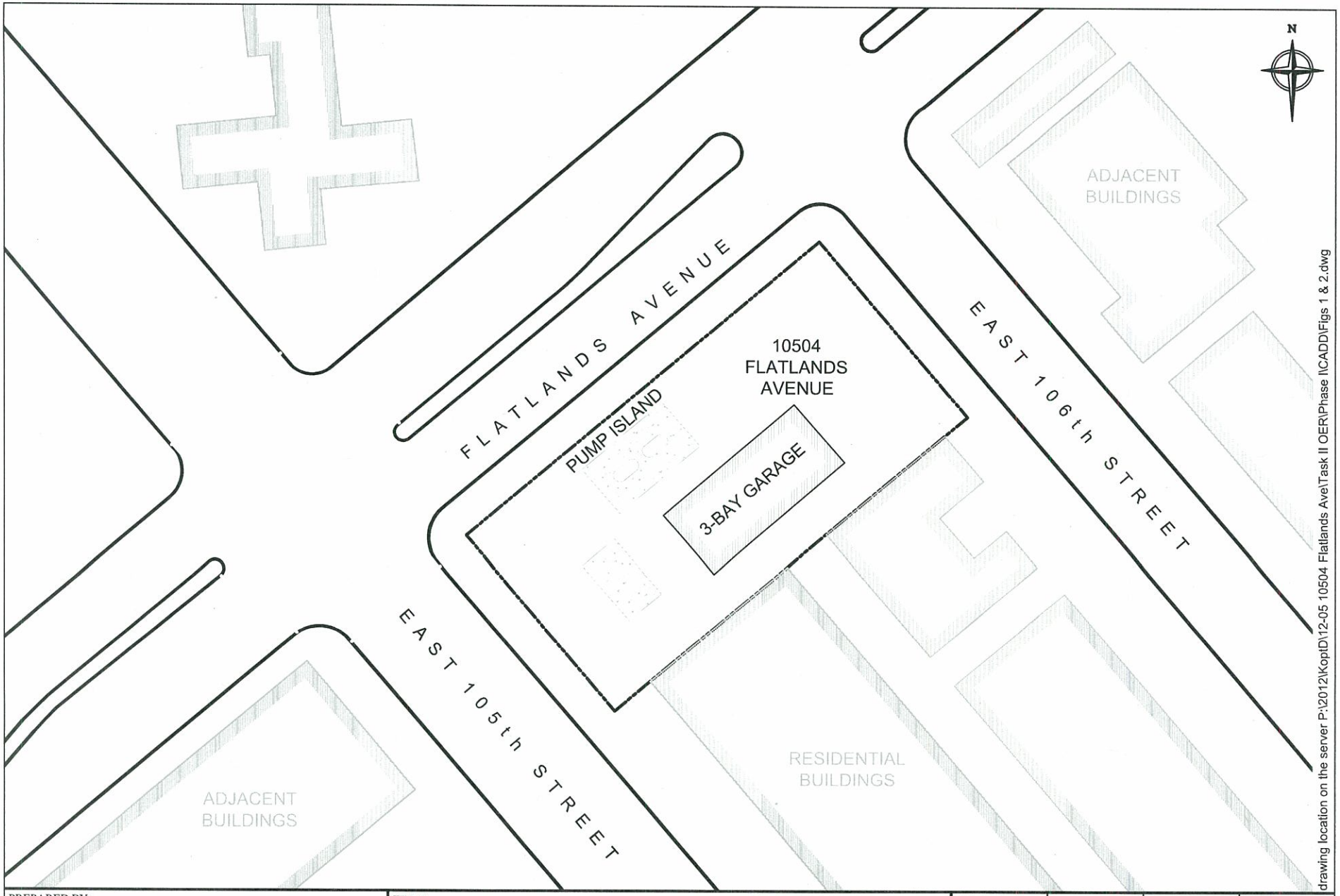
It should be noted that this subsurface inspection and assessment was limited to the above referenced designated area of concern only and was performed utilizing the above referenced equipment only. It was not intended to guarantee the location of all possible underground structures or all utilities within the area of concern. Greater confidence can be placed on inspections which include utilizing a review of past architectural drawings, additional time on site, equipment, methodologies and confirmation excavation. Use of this report is strictly limited to the client for whom this report was prepared. Any reliance on the contents of this report by any third party is the sole responsibility of that party.

If there are any questions, or if additional information is needed, please contact our office.

Sincerely,

David F. Collins
J.C. Broderick & Associates, Inc.

Attachment: Project Drawing Provided to JCB



drawing location on the server P:\2012\KoptD\12-05 10504 Flatlands Ave\Task II OER\Phase II\CADD\Figs 1 & 2.dwg

PREPARED BY:
J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence
In Water Supply, Water Resources,
Civil and Environmental Engineering
300 WHEELER ROAD
SUITE 402
HAUPPAUGE, NEW YORK 11788
PHONE # (631) 234-2220
FAX # (631) 234-2221
E-MAIL: info@holzmacher.com

TITLE:

SITE PLAN

10504 FLATLANDS AVENUE
BROOKLYN, NEW YORK 11236

DWN:	SCALE:	DATE:	PROJECT NO.:
DGH	1" = 50'	3-28-2012	KoptD 12-05
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-
FIGURE NO.:			
2			

Appendix C
2012-06-12 J.R. Holzmacher P.E., LLC
HASP

Health and Safety Plan
For
Property Located
at

10504-10524 Flatlands Avenue
Brooklyn, New York,

OER # 12EHAZ452K
June 2012

Prepared by
J.R. Holzmacher P.E., LLC
Consulting Engineers
300 Wheeler Road, Suite 402, Hauppauge, NY 11788

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1

1.1 Scope and Applicability of the Site Health and Safety Plan 1
1.2 Visitors 1

2.0 KEY PERSONNEL/IDENTIFICATION OF HEALTH AND SAFETY 2

2.1 Key Personnel 2
2.2 Site Specific Health and Safety Personnel 2
2.3 Organizational Responsibility 2

3.0 TASK SAFETY AND HEALTH RISK ANALYSIS 3

3.1 Historical Overview of Site 3
3.2 Task-by-Task Risk Analysis 3
3.3 Physical Hazards – Soil Sampling and Excavation 4
3.3.1 ...Hazard Identification and Prevention 4
3.4 Chemical Hazards 6
3.4.1 General Description 6
3.4.2 Potential Chemical Health Hazards 6
3.4.3 First Aid 9

4.0 PERSONNEL TRAINING REQUIREMENTS 10

5.0 PERSONNEL PROTECTIVE EQUIPMENT TO BE USED 11

5.1 Levels of Protection 11
5.2 Level D Personnel Protective Equipment 12
5.3 Reassessment of Protection Equipment 12
5.4 Work Mission Duration 12
5.5 Personal Protective Equipment Recommended for Site 12
5.6 SOP for Personal Protective Equipment 13
5.7 Specific Levels of Protection Planned for the Site 14

6.0 FREQUENCY AND TYPES OF AIR MONITORING/SAMPLING 15

6.1 Direct-Reading Monitoring Instruments 15
6.2 Site Air Monitoring and Sampling Program 15
6.3 Site Ambient Air Sampling 17

TABLE OF CONTENTS – continued

Page

7.0 SITE CONTROL MEASURES 18

7.1 Buddy System 18
7.2 Site Communications Plan 18
7.3 Work Zone Definition 18
7.3.1 Exclusion Zone 19
7.3.2 Decontamination Zone 19
7.3.3 Support Zone 20
7.4 Nearest Medical Assistance 20
7.5 Safe Work Practices 22
7.6 Emergency Alarm Procedures 22

8.0 DECONTAMINATION PLAN 23

8.1 Standard Operating Procedures 23
8.2 Levels of Decontamination Protection Required for Personnel 23
8.3 Equipment Decontamination 23
8.4 Disposition of Decontamination Wastes 23

9.0 EMERGENCY RESPONSE/CONTINGENCY PLAN 24

9.1 Pre-Emergency Planning 24
9.2 Personnel Roles and Lines of Authority 24
9.3 Emergency Recognition/Prevention 24
9.4 Evacuation Routes/Procedures 25
9.5 Emergency Contact/Notification System 25
9.6 Emergency Medical Treatment Procedures 25
9.7 Fire or Explosion 26
9.8 Spill or Leaks 26
9.9 Emergency Equipment/Facilities 26

10.0 REFERENCES 28

TABLE OF CONTENTS – continued

Page

LIST OF APPENDICES

Appendix A Equipment Cleaning and Decontamination Procedures.

LIST OF FIGURES

Figure 7.1 Hospital Route 21

LIST OF TABLES

Table 3.1 Task Analysis/Potential Chemical Hazards of Concern 3
Table 5.1 Sample PPE Inspection Checklist..... 13
Table 6.1 Site Air Monitoring and Sampling Program Summary 16
Table 7.1 Personnel Requirements 18
Table 7.2 Hand Signal Definitions 18
Table 7.3 Standing Orders For Exclusion Zone..... 22
Table 7.4 Standing Orders For Contamination Reduction Zone 22
Table 8.1 Level D Decontamination Steps 23
Table 9.1 Emergency Recognition/Control Measures 24
Table 9.2 List of Emergency Contacts..... 25
Table 9.3 List of Emergency Equipment/Facilities..... 26

1.0 INTRODUCTION

This section of the Health and Safety Plan (HASP) document defines general applicability and general responsibilities with respect to compliance with Health and Safety programs. This plan has been prepared for excavation/remediation activities to be conducted to determine if subsurface contamination is present. Soil sampling activities are estimated to occur during the excavation period for the proposed new building and sub-grade parking structures at the site.

1.1 Scope and Applicability of the Site Health and Safety Plan

The purpose of this HASP is to define the requirements and designate protocols to be followed during the excavation/remediation activities at the site. Applicability extends to all government employees, contractors, subcontractors, and visitors.

All personnel on site, contractors and subcontractors included, shall be informed of the site emergency response procedures and any potential fire, explosion, health, or safety hazards of the operation. This HASP summarizes those hazards in Table 3.1 and defines protective measures planned for the site.

This plan must be reviewed and an agreement to comply with the requirements must be signed by all personnel prior to entering the exclusion zone or contamination reduction zone.

During development of this plan, consideration was given to current safety standards as defined by the Environmental Protection Agency (EPA)/Occupational Health and Safety Administration (OSHA)/National Institute of Occupational Safety and Health (NIOSH), health effects and standards for known contaminants, and procedures designed to account for the potential for exposure to unknown substances. Specifically, the following reference sources have been consulted:

- OSHA 29 CFR 1910.120 and EPA 40 CFR 311
- USEPA, Office of Emergency and Remedial Response, Emergency Response Team, Standard Operating Safety Guides
- NIOSH/OSHA/USCG/EPA Occupational Health and Safety Guidelines
- American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values

1.2 Visitors

There will be no outside visitors allowed on the site during excavation/remediation activities. Outside visitors are defined as those not directly involved with construction and sampling activities.

2.0 KEY PERSONNEL/IDENTIFICATION OF HEALTH AND SAFETY

2.1 Key Personnel

The following personnel and organizations are critical to the excavation/remediation efforts at the site estimated to occur during the excavation activities identified in Figure 1.1 – Construction Activities Schedule. The organizational structure will be reviewed and updated periodically by the site supervisor.

Excavation/Construction Team Representatives:

1. J.R. Holzmacher P.E., LLC
2. Zebra Environmental

TO BE DETERMINED

2.2 Site Specific Health and Safety Personnel

The Site Health and Safety Officer (SHSO) has responsibility for ensuring that the provisions of this HASP are adequate and implemented in the field. Changing field conditions may require decisions to be made concerning adequate protection programs. The SHSO is also responsible for conducting site inspections on a regular basis in order to ensure the effectiveness of this plan.

The SHSO at the site with respect to Phase II investigation activities is:

J.R. Holzmacher P.E., LLC
Heather V. Sonnenberg
Project Engineer

Designated alternates include:

James DeMartinis
Senior Hydrogeologist

TO BE DETERMINED

2.3 Organizational Responsibility

1. The SHSO of the site will conduct site inspections throughout the project making sure the Health and Safety Plan is followed. His main concern is the personal protection of the workers.

3.0 TASK SAFETY AND HEALTH RISK ANALYSIS

3.1 Historical Overview of Site

The subject site is identified as 10504-10524 Flatlands Avenue, Brooklyn, New York, Tax Block 8213, Tax Lot 0037 in the Canarsie section of Brooklyn. The site is occupied by a 1,245 square foot building occupied by a service station. The lot size is 16,200 square feet. The property is accessed from Flatlands Avenue and East 105th Street.

There may have been several two family homes on the property in the 1950's and 1960's. However, a certificate of occupancy (CO) issued in 1970 was for an automotive service station, lubrication, minor repairs, washing, sale of accessories (in building) and office. The CO indicates the service station building was completed in June 1969.

The subject property appears on New York State Petroleum Bulk Storage database. Actually there are two entries. The first entry (NYSDEC PBS # 2-341320) was under 105-24 GAS CORP. The entry indicates that the PBS permit was administratively closed on 11/16/1997. 15 underground storage tanks (14 550s and one 4,000) are listed as "administratively closed".

The second entry (PBS # 2-601274) is active and is under the name TIDAL REALTY CORPORATION. The site owner is shown as Sam Apper Service Station Inc. Sixteen underground storage tanks are listed, 12 of which (all 550s) are designated as closed-in place. The four active tanks are two 4,000 gallon gasoline tanks, one 550 gallon waste oil tank, and one 550 gallon # 2 fuel oil tank. The 4,000 gallon tanks were installed in 1976 and 1992. The two 550 gallon steel tanks were installed in 1957 (!). It is not known if the fuel oil tank is still used as JRH observed natural gas service to the building.

It was determined from the Phase I that there are recognized environmental conditions with regard to the subject site. Recognized environmental conditions are those conditions which could adversely affect the environmental integrity of the property. The site is an active service station with underground storage tanks, interior floor drains, and hydraulic lifts. Therefore, the potential for soil and groundwater contamination exists

3.2 Task-by-Task Risk Analysis

The evaluation of hazards is based upon the knowledge of the site background presented in Section 3.1 above, and anticipated risks posed by the specific tasks to be performed.

The following subsections describe each task/operation in terms of the specific hazards associated with it. In addition, the protective measures to be implemented during completion of those tasks are also identified.

Table 3.1 provides a summary of task analysis and chemical hazards potentially encountered at the Site.

TABLE 3.1 TASK ANALYSIS POTENTIAL CHEMICAL HAZARDS OF CONCERN			
Contaminant	**PEL/TLV**	**LEL (%)**	**IDLH**
VOCs			
Benzene	1/0.5ppm	1.2	500 ppm
Toluene	200/50 ppm	1.1	500 ppm
Xylenes	100/100 ppm	~1	900 ppm
Ethyl benzene	100/100ppm	0.8	800 ppm
MTBE	NE/50ppm	NE	NE
Diesel Fuel	NE/100mg/m^3		Ca (exhaust)
Gasoline	NE/300	1.4	Ca
Lead	0.05/0.05 mg/m^3	NA	100 mg/m^3
PCBs	0.5-1 mg/m3	NA	5 mg/m^3
PAHs	0.2 mg/m^3	NA	1750 mg/m^3
Pesticides	Variable	NA	NA
Arsenic	0.01 mg/m^3	NA	5 mg/m^3
Mercury	0.025 mg/m^3	NA	10 mg/m^3

NE – not established
Ca - Cancer
Notes:

1. TLV = Threshold Limit Value
2. IDLH = Immediately Dangerous to Life and Health

3.3 Physical Hazards -Soil Sampling and Excavation

3.3.1 Hazard Identification and Prevention

- Safety related work practices would be used to prevent electric shock or other injuries resulting from either direct or indirect electrical contacts. Overhead power lines, buried cables and electrical equipment used on site all pose a danger of shock or electrocution if workers contact or sever them during field operations.

- New York State law requires that a utility mark out to be performed at a site at least 72 hours prior to starting any subsurface work. The tank removal contractor will contact New York City One Call (1-800-272-4480) to request a mark out of underground utilities in the proposed excavation and drilling areas. Work will not begin until the required utility clearances have been completed.

- Public utilities typically do not mark-out utility lines that are located on private property. Therefore, JRH will exercise due diligence and try to identify the location of any private utilities at the site. A private utility contractor will clear on-site subsurface disturbance locations for utilities prior to the commencement of any such work. JRH will also use as-built drawings for the area being investigated, perform a line locating survey, and identify a no-dig/drill zone and hand dig if there is insufficient data to determine the location of utility lines.

- Care must be taken to ensure loose clothing does not get tangled in any moving equipment while borings are being drilled.

- There may be slip or trip hazards associated with rough, slippery or elevated work surfaces at the site. The sampling sites could contain a number of slip, trip and fall hazards for site workers, such as: holes, pits, or ditches; excavation faces and slippery surfaces (steep grades, uneven grades, snow and ice and sharp objects).

- Drilling or excavating is dangerous during electrical storms. All field activity must terminate when thunderstorms are evident. Extreme heat and cold, ice and heavy rain can produce unsafe conditions for drilling work. Such conditions, when present, will be evaluated on a case-by-case basis to determine if work shall terminate.

- The use of an excavator and other equipment that are gasoline or fuel powered presents the possibility of encountering fire and explosion hazards.

- Plants and animals that are known to be hazardous to humans may affect work that takes place. Spiders, bees, wasps, hornets, ticks, poison oak and poison ivy are only some of the hazards that may be encountered. Individuals who may potentially be exposed to these hazards should be made aware of their existence and instructed in their identification. Emergencies resulting from contact with a natural hazard should be handled through the normal medical emergency channels. Individuals who are sensitive to these types of "natural" hazards should indicate their susceptibility to the SHSO.

- Work on-site will involve the use of heavy construction equipment such as an excavator. The unprotected exposure of site workers to this noise during field activities can result in noise induced hearing loss. The SHSO will monitor the noise exposure for the initial trip and determine whether noise protection is warranted for

each of the team members. The SHSO will ensure that either ear muffs or disposable foam earplugs are made available to all personnel and are used by the personnel in the immediate vicinity of the field operation as required.

3.4 Chemical Hazards

3.4.1 General Description

There is potential low-level VOC and SVOC contamination because the site was formerly occupied by an auto repair shop. The current building was constructed in 1945 and has been used for auto parts sales and service. The building is being renovated and a small cellar will be added during the renovation.

Potential chemical hazards below the building slab are evaluated below. It is anticipated that petroleum compounds and dust could be of concern. The potential for exposure to vapors, contaminated dusts, and contaminated soil/groundwater is of utmost concern.

3.4.2 Potential Chemical Health Hazards

Benzene

Exposure to benzene above the Permissible Exposure Limit (PEL) may produce skin irritation with potential for redness, blistering and burning. Overexposure may also result in irritation of the mucous membranes for the upper respiratory tract, nose and mouth causing difficulty breathing and possible pulmonary edema. Symptoms of exposure include headache, confusion, dizziness and tightening of the leg muscles. The OSHA PEL for benzene is 1 ppm. The American Conference of Governmental Industrial Hygienists recommends a Threshold Limit Value (TLV) of 0.5 ppm for benzene based on classification as a confirmed human carcinogen.

Toluene

Exposure to the vapors of toluene above the Permissible Exposure Limit (PEL) may produce irritation of the mucous membranes of the upper respiratory tract, nose and mouth. Overexposure may also result in depression of the central nervous system. Symptoms of such exposure include drowsiness, headache, fatigue and intoxicated behavior. The PEL for toluene is 200 ppm. The American Conference of Governmental Industrial Hygienists (ACGIH) recommends a Threshold Limit Value (TLV) of 50 ppm for toluene due to effects on the central nervous system.

Xylene

Xylene is a flammable, colorless liquid with an OHSA PEL of 100 ppm. Inhalation of xylene vapors above the PEL may result in motor activity changes, headaches, dizziness, drowsiness and intoxicated behavior. Inhalation can also cause nose, throat and respiratory tract irritation, causing difficulty in breathing and possible pulmonary edema on high exposure. Xylene vapors are also irritating to the eye and potential redness, blistering and serious burning of the skin. Xylene can pass through intact skin to cause systemic effects, including narcosis. The ACGIH recommends a TLV of 100 ppm for xylene due to irritant effects.

Methyl Tertiary-Butyl Ether (MTBE)

Methyl tertiary-butyl ether is a chemical compound that is manufactured by the chemical reaction of methanol and isobutylene. MTBE is almost exclusively used as a fuel additive in motor gasoline. It is one of a group of chemicals commonly known as "oxygenates" because they raise the oxygen content of gasoline. At room temperature, MTBE is a volatile, flammable and colorless liquid that dissolves rather easily in water.

The majority of the human health-related research conducted to date on MTBE has focused on effects associated with the inhalation of the chemical. When research animals inhaled high concentrations of MTBE, some developed cancers or experienced other non-cancerous health effects. OSHA has not established a PEL or MTBE. The ACGIH has established a TLV of 50 ppm based on its effects on the kidney and reproductive system and gives it an A3 carcinogenicity rating. This means that it is a known animal carcinogen with unknown significance to humans.

Lead

The effects of lead exposure are long-term in nature. Early signs of lead poisoning include fatigue, headache, uneasy stomach, metallic taste and irritability. Later signs include memory loss, nausea, muscle/joint pains, stomachaches, weight loss and kidney problems.

Lead dust can be inhaled. Particles of lead can be swallowed if lead gets on clothing, hands or beard or into food or drinks. There will be no eating, drinking or smoking in the work area (the tunnels and access rooms). It will also be important to wash your hands and face before eating, drinking, or smoking outside of the work area.

PCBs

Polychlorinated biphenyls are mixtures of up to 209 individual chlorinated compounds (known as congeners). There are no known natural sources of PCBs.

PCBs are either oily liquids or solids that are colorless to light yellow. Some PCBs can exist as a vapor in air. PCBs have no known smell or taste. Many commercial PCB mixtures are known in the U.S. by the trade name Aroclor.
Exposure to PCBs causes eye irritation, chloracne and liver toxicity. Arochlor 1254 is a known animal carcinogen that may or may not cause cancer in humans. PCBs are readily absorbed through the skin. The OSHA PEL ranges from 0.5-1 mg/m3. The ACGIH has also set TLVs between 0.5-1 mg/m^3 based on its irritant effects and its ability to cause chloracne and liver damage.

Polycyclic Aromatic Hydrocarbons (PAHS or SVOCs)-

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 such as tobacco or charbroiled meat. PAHs are regulated based on effects of respiratory tract and skin irritation as well as eye irritation and nervous system disturbances. Acute exposures cause difficulty in breathing, skin/eye irritation and burns.

The Occupational Safety and Health Administration (OSHA) have 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.

Pesticides

A pesticide is a substance or mixture of substances intended to prevent, destroy, repel or mitigate any pest. The health effects of pesticides depend on the type of pesticide. Some such as organophosphates and carbamates, affect the nervous system. Others may irritate the skin or eyes. Other may affect the hormone or endocrine system in the body. EPA human health risk assessments for many pesticides are available at http://cfpub.epa.gov/oppref/rereg/status.cfm.

Arsenic

Arsenic is a naturally occurring element combined with oxygen, chlorine and sulfur to form inorganic arsenic compounds. Overexposure to arsenic may cause vomiting, ulceration of the nasal septum, hoarse voice, sore throat, numbness in extremities, respiratory irritation, and skin/eye irritation. The EPA has set limits on the amount of arsenic that industrial sources can release to the environment

and has restricted or cancelled many of the uses of arsenic in pesticides. EPA has set a limit of 0.01 parts per million (ppm) for arsenic in drinking water.
The Occupational Safety and Health Administration (OSHA) have set a permissible exposure limit (PEL) of 10 micrograms of arsenic per cubic meter of workplace air (10 µg/m³) for 8 hour shifts and 40 hour work weeks.

Mercury

Mercury occurs naturally in the environment and exists in several forms. Overexposure may cause headache, drowsiness or insomnia, weakness, and pink skin on hands and feet. OSHA regulates levels of mercury in the workplace. It has set limits of 0.1 milligrams of mercury per cubic meter of air (mg/m³) for organic mercury and 0.05 mg/m³ for metallic mercury vapor in workplace air to protect workers during an 8-hour shift and a 40-hour workweek. NIOSH recommends that the amount of metallic mercury vapor in workplace air be limited to an average level of 0.05 mg/m³ during a 10-hour work shift.

3.4.3 First Aid

If soil comes in contact with the eyes immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Contact lenses should not be worn but can be protected by safety glasses/goggles. If lead contaminated soil comes in contact with the skin, wash the skin with soap and water prior to leaving the site. If a person breathes in large amounts of dust, move the exposed person to fresh air at once. If contaminated soil has been swallowed, get medical attention immediately (NIOSH, 1987).

4.0 PERSONNEL TRAINING REQUIREMENTS

Consistent with OSHA 29 CFR 1910.120 regulation covering Hazardous Waste Operations and Emergency Response, all site personnel are required to be trained in accordance with the standard. At a minimum, all personnel are required to be trained to recognize the hazards on-site, the provisions of this HASP, and the responsible personnel. The SHSO at the site pre-entry briefing(s) or periodic site briefings will discuss this plan.

5.0 PERSONNEL PROTECTIVE EQUIPMENT TO BE USED

This section describes the general requirements of the EPA designated Levels of Protection (A through D), and the specific levels of protection required for each task at the Site.

5.1 Levels of Protection

Personnel will wear the appropriate protective equipment when response activities involve known or suspected atmospheric contamination, vapors, gases, or particulates may be generated by site activities, or when direct contact with skin-affecting substances may occur. Full facepiece respirators protect lungs, gastrointestinal tract, and eyes against airborne toxicants. Chemical-resistant clothing protects the skin from contact with skin-destructive and absorbable chemicals.

The specific levels of protection and necessary components for each have been divided into four categories according to the degrees of protection afforded:

Level A: Should be worn when the highest level of respiratory, skin, and eye protection is needed.

Level B: Should be worn when the highest level of respiratory protection is needed, but a lesser level of skin protection. Level B is the primary level of choice when encountering unknown environments.

Level C: Should be worn when the criteria for using air-purifying respirators are met, and a lesser level of skin protection is needed.

Level D: Should be worn only as a work uniform and not in any area with respiratory or skin hazards. It provides minimal protection against chemical hazards.

Modifications of these levels are permitted, and routinely employed during site work activities to maximize efficiency. For example, Level C respiratory protection and Level D skin protection may be required for a given task. Likewise the type of chemical protective ensemble (i.e., material, format) will depend upon contaminants and degrees of contact.

The Level of Protection selected is based upon the following:

- Type and measured concentration of the chemical substance in the ambient atmosphere and its toxicity.
- Potential for exposure to substances in air, liquids, or other direct contact with material due to work being done.
- Knowledge of chemicals on-site along with properties such as toxicity, route of exposure, and contaminant matrix.

In situations where the type of chemical, concentration, and possibilities of contact are not known, the appropriate Level of Protection must be selected based on professional experience and judgment until the hazards can be better identified.

5.2 Level D Personnel Protective Equipment:

- Disposable Tyvek^{R} coveralls (as needed)
- Disposable Nitrile Exam gloves (as needed)
- Disposable Tyvek^{R} booties (as needed)
- Steel-tipped work boots
- Safety glasses
- Hard hat
- 3M N95 Dust Masks with Exhalation Valves (if needed)

5.3 Reassessment of Protection Program

The Level of Protection provided by PPE selection shall be upgraded or downgraded based upon changes in site conditions or investigation findings. When a significant change occurs, the hazards should be reassessed. Some indicators of the need for reassessment are:

- Commencement of a new work phase.
- Change in job tasks during a work phase.
- Change of season/weather
- When temperature extremes or individual medical considerations limit the effectiveness of PPE.
- Change in work scope, which affects the degree of contact with contaminants.

5.4 Work Mission Duration

Before the workers actually begin work in their PPE ensembles, the anticipated duration of the work mission will be established. Several factors limit mission length, including:

- Air supply consumption (SCBA use)-**Not Applicable.**
- Suit/Ensemble permeation and penetration rates for chemicals-**Not Applicable.**
- Ambient temperature and weather conditions (heat stress/cold stress).
- Capacity of personnel to work in PPE.

5.5 Personal Protective Equipment Recommended for Site

The following specific clothing materials are recommended for the site:

A. Soil Sampling – Level D

Site activities will require PPE as follows: hardhat, disposable Tyvek^R coveralls (if needed), disposable Tyvek^R booties (if needed), safety glasses and chemical resistant gloves. Particulate respirator-3M N95 Dust Masks with exhalation valves will be available.

5.6 SOP for Personal Protective Equipment

Proper inspection of PPE features several sequences of inspection depending upon specific articles of PPE and it's frequency of use. The different levels of inspection are as follows:

- Inspection and operation testing of equipment received from the factory or distributor.
- Inspection of equipment as it is issued to workers.
- Inspection after use or training and prior to maintenance.
- Periodic inspection of stored equipment.
- Periodic inspection when a question arises concerning the appropriateness of the selected equipment, or when problems with similar equipment arise.
- The primary inspection of the PPE in use for activities at the Site will occur prior to immediate use and will be conducted by the user. This ensures that the specific device or article has been checked-out by the user and that the user is familiar with its use.

TABLE 5.1
SAMPLE PPE INSPECTION CHECKLIST

CLOTHING

Before use:

- Determine that the clothing material is correct for the specified task at hand.
- Visually inspect for:
  - Imperfect seams
  - Non-uniform coatings
  - Tears
  - Malfunctioning closures
- Hold up to light and check for pinholes.
- Flex product:
  - Observe for cracks
  - Observe for other signs of shelf deterioration
- If the product has been used previously, inspect inside and out for signs of chemical attack:
  - Discoloration
  - Swelling
  - Stiffness

During the work task:

- Evidence of chemical attack such as discoloration, swelling, stiffening, and softening. Keep in mind, however, that chemical permeation can occur without any visible effects.
- Closure failure.
- Tears.
- Punctures.
- Seam Discontinuities.

GLOVES

Before use:

- Visually inspect for:
  - Imperfect seams
  - Tears
  - Non-uniform coating
  - Pressurize glove with air; listen for pinhole leaks.

5.7 Specific Levels of Protection Planned for the Site

The following levels of protection will be utilized during activities at the Site:

- Level D

6.0 FREQUENCY AND TYPES OF AIR MONITORING/SAMPLING

This section explains the general concepts of an air-monitoring program and specifies the surveillance activities that will take place during project completion at the Site.

The purpose of air monitoring is to identify and quantify airborne contaminants in order to verify and determine the level of worker protection needed. Initial screening for identification is often qualitative, i.e., the contaminant, or the class to which it belongs, is demonstrated to be present, but the determination of its concentration (quantification) must await subsequent testing. Two principal approaches are available for identifying and/or quantifying airborne contaminants:

- The on-site use of direct-reading instruments.
- Laboratory analysis of air samples obtained by a gas-sampling bag, collection media (i.e., filter, sorbent) and/or wet-contaminant collection methods.

6.1 Direct-Reading Monitoring Instruments

Unlike air sampling devices, which are used to collect samples for subsequent analysis in a laboratory, direct-reading instruments provide information at the time of sampling, enabling rapid decision-making. Data obtained from the real-time monitors are used to assure proper selection of personnel protection equipment, engineering controls, and work practices. Overall, the instruments provide the user the capability to determine if site personnel are being exposed to concentrations that exceed exposure limits or action levels for specific hazardous materials.

Of significant importance, especially during initial entries, is the potential for IDLH conditions or oxygen deficient atmospheres. Real-time monitors can be useful in identifying any IDLH conditions, toxic levels of airborne contaminants, flammable atmospheres, or radioactive hazards. Periodic monitoring of conditions is critical, especially, as exposures may have increased since initial monitoring or if new site activities have commenced.

6.2 Site Air Monitoring and Sampling Program

A. Air Monitoring Instruments

• Organic Vapor Monitoring

<u>Instrument :Photoionization Detector</u> (PID) with for use during all intrusive activities (10.6 Ev lamp).

<u>Instrument: Detector Tubes</u> – for measuring benzene and vinyl chloride concentrations.

Monitoring for organic vapors will be conducted in the breathing zone of employees using a PID during intrusive activities. Refer to Table 6.1 for total volatile organic vapor and benzene action levels.

- **Combustible Gas Monitoring**

Instrument: Combustible Gas Indicator (CGI)/ Oxygen Meter

Continuous air monitoring with a CGI/Oxygen meter will be conducted in areas where flammable vapors or gases are suspected. All work activities must stop where the monitor indicates the concentration of flammable vapors exceeds ten percent of the lower flammable limit (LEL) at a location with a potential ignition source. The area must be ventilated to reduce the concentration to below ten percent of the LEL.

- **Dust Monitoring**

Instrument: TSI DustTrak Model 8520 (or equivalent)

Continuous dust monitoring during all site activities will be conducted. Dust mitigation must be employed should readings exceed 10 mg/m3.

- **Calibration and Record keeping**

Equipment used will be calibrated in accordance with the manufacturers' specifications. The PID and CGI will be calibration checked before and after use under approximately the same conditions at which the instrument will be used. Calibration information will be kept in the field notebook or instrument log. The date, time, location, instrument serial number, calibration gas and concentration, will be noted.

B. Action Levels

TABLE 6.1		
SITE AIR MONITORING AND SAMPLING PROGRAM SUMMARY		
Instrument	**Action Level**	**Action**
PID (10.6 ev)	Continuous readings to 9ppm	Remain in level D PPE.
PID	Continuous reading of 10 to 100 ppm above background	Level D PPE but screen with Drager detection tube for benzene. If benzene detected >1 ppm upgrade to Level C and wear an organic vapor (OV) cartridge/air-purifying respirator (APR). Investigate source.
PID	Continuous reading over 100 ppm background	Stop Work. Reevaluate work conditions and procedures, Contact SHSO prior to continuing for authorization.
Drager Tubes:	1- 10 ppm	Upgrade PPE to level C with OV/APR.

Benzene		
Drager Tubes: Benzene	>10 ppm	Stop Work . Reevaluate work conditions and procedures. Contact SHSO prior to continuing for authorization.
Combustible Gas Indicator	Continuous reading of 0% to 1% lower explosive level (LEL).	Remain in level D PPE. If no benzene present, assume source is methane. Continuously monitoring LEL.
Combustible Gas Indicator	Continuous reading of 1% to 10% LEL	Level D unless benzene is present. Investigate source and ventilate, if possible. SHSO may require upgrade to Level C PPE.
Combustible Gas Indicator	Continuous reading > 10% LEL	Stop Work. Evacuate work area and ventilate source of combustible gas, if possible, Contact SHSO prior to continuing for authorization.
Dust Monitor	Continuous reading >10.0 mg/m^3	Suppress by spraying the dusty area with water.

Notes: PEL = Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit
REL = National Institute of Occupational Safety and Health (NIOSH) Recommended Exposure Limit
TLV = American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value

C. Reporting Format

- Air Monitoring Log

6.3 Site Ambient Air Sampling

A. Sampling Criteria

A site ambient air sampling program will be considered if the following criteria are met:

1. Meteorological conditions
2. Health and safety observations
3. Particulate levels are two to three times above background.
4. Site specific activities
5. Site activity increases airborne contaminant(s) exposure potential.

7.0 SITE CONTROL MEASURES

The following section defines measures and procedures for maintaining site control. Site control is an essential component in the implementation of the site health and safety program.

7.1 Buddy System

During all Level B, C or D activities or when some conditions present a risk to personnel, the implementation of a buddy system is recommended if not mandatory. A buddy system requires at least two (2) people to work as a team, each looking out for each other. Table 8.1 lists those tasks, which require a buddy system and any additional site control requirements.

TABLE 7.1	
PERSONNEL REQUIREMENTS	
Task	**Control Measures**
Soil Sampling	Line of sight, buddy system

7.2 Site Communications Plan

Successful communications between field teams and personnel in the support zone is essential. The following communications systems will be available during activities at the Site.

- Hand Signals
- Direct Vocal Communication
- For hand signal communications, the following definitions will apply during activities at the Site:

TABLE 7.2	
HAND SIGNAL DEFINITIONS	
Signal	**Definition**
Hands clutching throat	Out of air/cannot breath
Hands on top of head	Need assistance
Thumbs up	OK/I am all right/I understand
Thumbs down	No/Negative
Arms waving upright	Send backup support
Grip partners wrist	Exit area immediately

7.3 Work Zone Definition

The three general work zones established at the Site are the Exclusion Zone, Contamination Reduction Zone, and Support Zone. One of the basic elements of effective site soil remediation activities is the delineation of work zones. The purpose of establishing work zones is to:

- Reduce the accidental spread of hazardous substances by workers or equipment from the contaminated areas to the clean areas;
- Confine work activities to the appropriate areas, thereby minimizing the likelihood of accidental exposures;
- Facilitate the location and evacuation of personnel in case of an emergency; and
- Prevent unauthorized personnel from entering controlled areas.

Although a site may be divided into as many zones as necessary to ensure minimal employee exposure to hazardous substances, this plan uses the three most frequently identified zones in similar projects. These zones are the Exclusion Zone, the Decontamination Zone, and the Support Zone (sometimes referred to by others as the "clean zone"). Movement of personnel and equipment between these zones should be minimized and restricted to specific access control points to minimize the spreading of contamination, if encountered.

7.3.1 Exclusion Zone

The Exclusion Zone is the area where contamination is either known or expected to occur and where the greatest potential for exposure exists. No contamination is actually known to exist on this site. Therefore, the following protective measures will be taken in the Exclusion Zone.

Unprotected onlookers will be restricted from suspicious pre-screened soils requiring sampling such that they are 25 feet upwind or 50 feet downwind of excavation or drilling activities.

Those conducting activities and sampling in the Exclusion Zone will wear the applicable Personal Protective Equipment (PPE). The actions to be taken and PPE to be worn in the Exclusion Zone if VOCs are determined with the PID to be above background are described in Section 6 and Table 6.1.

7.3.2 Decontamination Zone

A Decontamination Zone will be established between the Exclusion Zone and the Support Zone, and will include the personnel, equipment and supplies that are needed to decontaminate equipment and personnel. The size will be selected by the SHSO to be sufficient to conduct the necessary decontamination activities. Personnel and equipment in the Exclusion Zone must pass through this zone before leaving or entering the Support Zone. This zone should always be established and maintained upwind of the Exclusion Zone.

7.3.3 Support Zone

The Support Zone will surround the Decontamination Zone and the Exclusion Zone. Break areas, operational direction and support facilities will be located in this area. Eating, smoking and drinking will be allowed only in this area.

7.4 Nearest Medical Assistance

Figure 7.1 shows a map of the route to the Brookdale University Hospital and Medical Center (718) 240-5000, One Brookdale Plaza, Brooklyn, NY 11212, which is the nearest hospital that can provide emergency care for individuals who may experience an injury or exposure on site. The route to the hospital will be verified by the SHSO, and will be familiar to all site personnel.

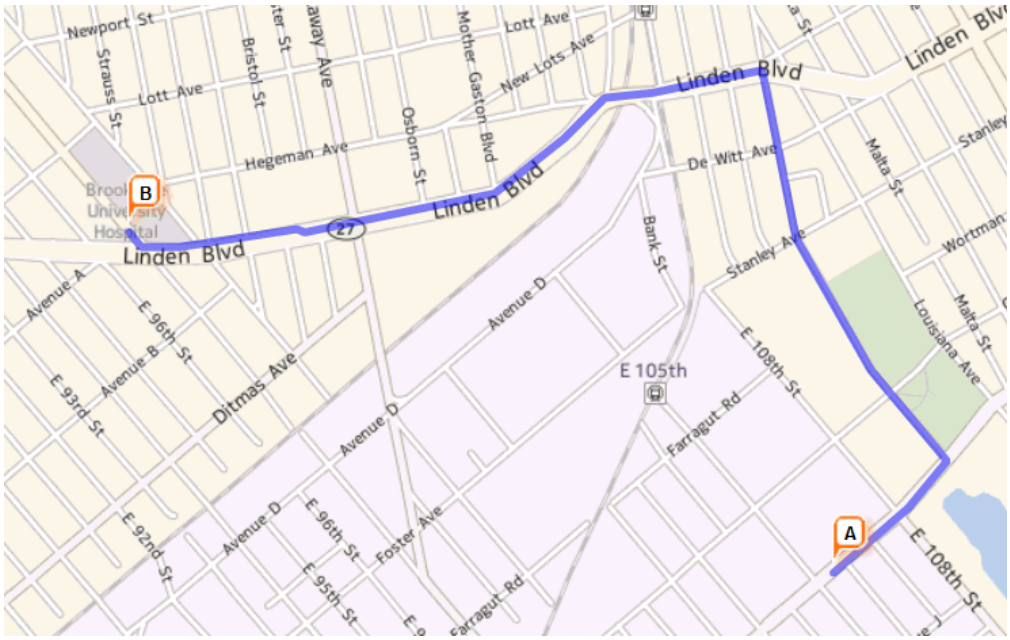


FIGURE 7.1

Directions **Distance**

A **10504 Flatlands Ave, Brooklyn, NY 11236-2908**

1.	Head toward **E 106th St** on **Flatlands Ave**.	Go for 0.2 mi. +
2.	Turn **left** onto **Williams Ave**.	Go for 0.6 mi. +
3.	Turn **left** onto **Linden Blvd (RT-27 W)**.	Go for 0.9 mi. +
4.	Bear **right** onto **Rockaway Pky**.	Go for 131 ft. +
5.	Your destination on **Rockaway Pky** is on the **right**. **The trip takes 1.8 mi and 6 mins.**	+

B **1 Brookdale Plz, New York, NY 11212-3139**

Total Est. Time: 2.1 mi – about 8 mins

Start:

Start at 10504 Flatlands Ave, Brooklyn, NY 11236

End:
Brookdale University Hospital and Medical Center
(718) 240-5000
One Brookdale Plaza, Brooklyn, NY 11212

7.5 Safe Work Practices

Table 7.3 provides a list of standing orders for the Exclusion Zone.
Table 7.4 provides a list of standing orders for the Decontamination Zone.

7.6 Emergency Alarm Procedures

The warning signals described in Section 9.4 "Evacuation Routes and Procedures," will be deployed in the event of an emergency. Communication signals will also be used according to Section 7.2.

TABLE 7.3
STANDING ORDERS FOR EXCLUSION ZONE

- No smoking, eating, or drinking in this zone.
- No horseplay.
- No matches or lighters in this zone.
- Check-in on entrance to this zone.
- Check-out on exit from this zone.
- Implement the communications system.
- Line of sight must be in position.
- Wear the appropriate level of protection as defined in the HASP.

TABLE 7.4
STANDING ORDERS FOR CONTAMINATION REDUCTION ZONE

- No smoking, eating, or drinking in this zone.
- No horseplay.
- No matches or lighters in this zone.
- Wear the appropriate level of protection.

8.0 DECONTAMINATION PLAN

Consistent with the levels of protection required, the decontamination table(s) provides a step-by-step representation of the personnel decontamination process. These procedures should be modified to suit site conditions and protective ensembles in use.

8.1 Standard Operating Procedures

Decontamination involves the orderly controlled removal of contaminants. Standard decontamination sequences are presented in Table 8.1. All site personnel should minimize contact with contaminants in order to minimize the need for extensive decontamination. Personnel shall clean on-site as much gross contamination from clothing and equipment, as possible.

8.2 Levels of Decontamination Protection Required for Personnel

The levels of protection required for personnel assisting with decontamination will be Level D. The SHSO is responsible for monitoring decontamination procedures and determining their effectiveness.

8.3 Equipment Decontamination

Sampling equipment will be dedicated to each sample as practicable. Appendix A is the decontamination protocol for equipment. After on-site decontamination, non-disposable materials, such as gloves and booties, will be placed in plastic bags and for proper disposal off site.

8.4 Disposition of Decontamination Wastes

Contaminated disposable materials will be left in a secured condition on-site.

TABLE 8.1	
LEVEL D DECONTAMINATION STEPS	
Step 1	Remove outer garments (i.e., coveralls) and boots
Step 2	Remove gloves
Step 3	Wash hands and face

9.0 EMERGENCY RESPONSE/CONTINGENCY PLAN

This section describes contingencies and emergency planning procedures to be implemented at the Site. This plan is compatible with local, state and federal disaster and emergency management plans, as appropriate.

9.1 Pre-Emergency Planning

During the site briefing held periodically/daily, all employees will be trained in and reminded of provisions of the emergency response plan, communication systems, and evacuation routes. Table 9.1 identifies potential hazards associated with site activities, along with the available emergency prevention/control equipment and its location. The plan will be reviewed and revised, if necessary, on a regular basis by the SHSO. This will ensure that the plan is adequate and consistent with prevailing site conditions.

TABLE 9.1
EMERGENCY RECOGNITION/CONTROL MEASURES

HAZARD	PREVENTION/CONTROL	LOCATION
Fire/Explosion	Fire Extinguisher	Site Trailer and Heavy Equipt. mounted
Spill	Sorbent Materials	Not Applicable
Air Release	Evacuation Routes	Not Applicable

9.2 Personnel Roles and Lines of Authority

The Site Supervisor has primary responsibility for responding to and correcting emergency situations. This includes taking appropriate measures to ensure the safety of site personnel and the public. Possible actions may involve evacuation of personnel from the site area, and evacuation of adjacent residents. He/she is additionally responsible for ensuring that corrective measures have been implemented, appropriate authorities notified and follow-up reports completed. The SHSO may be called upon to act on the behalf of the site supervisor, and will direct responses to any medical emergency. The individual contractor organizations are responsible for assisting the project manager in his/her mission within the parameters of their scope of work.

The Site Supervisor is: Heather Sonnenberg of JRH.

9.3 Emergency Recognition/Prevention

Table 3.1 provides a listing of chemical and physical hazards on-site. Additional potential hazards associated with site activities are listed in Table 9.1, along with the available emergency prevention/control equipment and its location. Personnel will be familiar with techniques of hazard recognition from preassignment training and site-

specific briefings. The SHSO is responsible for ensuring that prevention devices and equipment are available to personnel.

9.4 Evacuation Routes/Procedures

In the event of an emergency which necessitates an evacuation of the site, the following alarm procedures will be implemented:

- Insure that a predetermined location is identified off-site in case of an emergency, so that all personnel can be accounted for.

- Personnel will be expected to proceed to the closest site exit with their buddy, and mobilize to the safe distance area associated with the evacuation route. Personnel will remain at that area until the re-entry alarm is sounded or an authorized individual provides further instructions.

9.5 Emergency Contact/Notification System

The following list provides names and telephone numbers for emergency contact personnel. In the event of a medical emergency, personnel will take direction from the SHSO and notify the appropriate emergency organization(s). In the event of a fire or spill, the site supervisor will notify the appropriate local, state and federal agencies.

TABLE 9.2
List of Emergency Contacts

Organization	Contact	Telephone
Police	NYCPD	911
Fire	NYCFD	911
Hospital	Brookdale University Hospital and Medical Center	(718) 240-5000
EPA Emergency Response Team		800-424-8802
NYSDEC	Spill Hotline	800-457-7362
National Response Center		800-424-8802
Center for Disease Control		404-488-4100
Chemtrec		800-424-9555

9.6 Emergency Medical Treatment Procedures

Any person who becomes ill or injured in the Exclusion Zone must be decontaminated to the maximum extent possible. If the injury or illness is minor, full decontamination should be completed and first aid administered prior to transport. If the patient's condition is serious, at least partial decontamination should be completed (i.e., complete disrobing of the victim and redressing in clean coveralls or wrapping in a blanket.) First

aid should be administered while awaiting an ambulance or paramedics. All injuries and illnesses must immediately be reported to the Site Supervisor.

Any person being transported to a clinic or hospital for treatment should take with them information on the chemical(s) they have been exposed to at the site. This information is included in Table 3.1.

Any vehicle used to transport contaminated personnel will be treated and cleaned as necessary.

9.7 Fires or Explosion

In the event of a fire or explosion, the local fire department should be summoned immediately. Upon their arrival, the project manager or designated alternate will advise the fire commander of the location, nature, and identification of the hazardous materials on site.

If it is safe to do so, site personnel may:

- Use fire fighting equipment available on site to control or extinguish the fire; and,
- Remove or isolate flammable or other hazardous materials, which may contribute to the fire.

9.8 Spill or Leaks

In the event of a spill or a leak from excavation or drilling equipment, including containers, site personnel will:

- Inform their supervisor immediately;
- Locate the source of the spillage and stop the flow if it can be done safely; and,
- Begin containment and recovery of the spilled materials.

9.9 Emergency Equipment/Facilities

The following emergency equipment/facilities will be utilized on-site.

TABLE 9.3	
LIST OF EMERGENCY EQUIPMENT/FACILITIES	
List of Emergency Equipment/Facilities	**Storage Location**
First Aid Kit	Support Zone
Fire Extinguisher	Support Zone
Spill Kits	Support Zone
Berm Materials	Support Zone
Eye Wash	Support Zone
Real Time Air Equipment	Exclusion Zone

10.0 REFERENCES

1. *Aldrich Chemical Book*, RTECS
2. *American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values*
3. *Chemical Protective Clothing Performance Index Book*, Forsburg
4. *Dangerous Properties of Industrial Materials*, SAX and Lewis
5. *Emergency Response Guide Book*, DOT P 5800.5, 1990
6. *EPA 40 CFR 311 Health and Safety Regulations*
7. *EPA/Office of Emergency and Remedial Response/Environmental Response Team Standard Operating Safety Guide*
8. *Extremely Hazardous Substances*, EPA, Noyes
9. *Guide to Occupational Exposure Values* – 1992
10. *Guidelines for the Selection of Chemical Protective Clothing*, Little
11. *Handbook of Toxic and Hazardous Chemicals and Carcinogens*, Sittig, np (Noyes)
12. *Hazardous Chemicals Data Book*, G. Weiss, ndc (Noyes)
13. *Hazardous Chemicals Desk Reference*
14. *NIOSH/OSHA/USCG/EPA Occupational Health and Safety Guidelines*
15. *OHMTADS Database*
16. *OSHA 29 CFR 1910.120 Health and Safety Regulations*
17. *The Merck Index, an Encyclopedia of Chemicals, Drugs, and Biologicals*, Merck & Co., Inc.
18. *Threshold Limit Values and Biological Exposure Indices, ACGIH*, 1991-1992
19. *V.S.L.G. Chris Man*

APPENDIX A

EQUIPMENT CLEANING AND DECONTAMINATION PROCEDURES

APPENDIX A

STANDARD OPERATING PROCEDURES

EQUIPMENT CLEANING AND DECONTAMINATION PROCEDURES

Summary

Equipment, tools, materials, etc. used in the excavation/remediation and collection of samples at the site must be properly prepared and cleaned/decontaminated during and after each sampling event. The degree of cleaning/decontamination will be dependent upon site conditions and the nature and type of contamination, if present, the intent and goal(s) of the remediation, and data quality objectives, as well as other site-specific requirements. The importance of this action must be impressed upon the sampling team and those assisting the team, such as a backhoe or drill rig operator.

Procedure

1. Heavy Equipment Decontamination

All equipment, tools and materials associated with sampling events must be cleaned or decontaminated prior to usage. Items such as drill rigs, auger flights, trackhoes, and backhoes all present potential sources of contamination to environmental samples. Therefore, all heavy equipment utilized at a site must undergo the following decontamination procedures:

- the equipment will first be high pressure, hot washed or steam-cleaned with potable water; and,
- the equipment will be rinsed thoroughly with potable water.

Contain, collect and dispose of all decontamination fluids in accordance with site/project- specific requirements. The bucket of trackhoes and backhoes may be cleaned over the excavation allowing high pressure decontamination washwater to return to the excavation.

2. Cleaning of Field Sampling Equipment

All equipment and tools used to collect samples for chemical analyses, including spatulas, spoons, scoops, trowels, split-spoons, augers, etc. will be decontaminated using the following procedures:

- non-phosphate detergent wash;
- potable water or distilled/deionized water rinse; and
- air or oven-dry.

If the equipment, listed above, is to be stored for future use, allow to dry and then wrap in aluminum foil (shiny-side out) or seal in plastic bags. Collect or dispose of all decontamination fluids in accordance with site/project-specific requirements.

3. Personal Clothing Decontamination

All footwear worn in and around a contamination area will be washed down using soap and water to remove any soil or oily residue remnants. If disposable gloves, booties or suits (such as Tyvek® suits) are worn, these suits or booties are to be removed and disposed of in a designated 55-gallon drum on site for future disposal. Any other clothing that comes in contact with contaminated soil should not be worn more than 24-hours and should be washed prior to wearing again.

APPENDIX B

MSDSs

MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI and Canadian WHMIS Standards

PART I *What is the material and what do I need to know in an emergency?*

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):	**MERCURY**
CHEMICAL NAME/CLASS:	Mercury; Element
SYNONYMS:	Colloidal Mercury, Quick Silver; Liquid Silver; NCI-C60399; Hydrargyrum
PRODUCT USE:	Variety of industrial, analytical, and research applications.
SUPPLIER/MANUFACTURER'S NAME:	**BETHLEHEM APPARATUS COMPANY**
ADDRESS:	890 Front Street Hellertown, PA 18055
EMERGENCY PHONE:	610-838-7034
BUSINESS PHONE:	610-838-7034
DATE OF PREPARATION:	May 20, 1997
DATE OF REVISION:	May 2, 2000

2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	%w/w	EXPOSURE LIMITS IN AIR					
			ACGIH-TLV		OSHA-PEL			OTHER
			TWA mg/m^3	STEL mg/m^3	TWA mg/m^3	STEL mg/m^3	IDLH mg/m^3	mg/m^3
Mercury Exposure limits are for Mercury, Inorganic Compounds	7439-97-6	100	0.025, (skin) A4 (Not Classifiable as a Human Carcinogen)	NE	Mercury Vapor: 0.5, Skin; (Vacated 1989 PEL)	0.1 (ceiling) Non-alkyl Mercury Compounds: 0.1 Ceiling, skin (Vacated 1989 PEL)	10	NIOSH REL: STEL = 0.1 (ceiling, skin) DFG MAKs: TWA = 0.1 PEAK = 10•MAK 30 min., momentary value Carcinogen: EPA-D; IARC-3, TLV-A4

NE = Not Established. See Section 16 for Definitions of Terms Used.

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Mercury is a silver-white, odorless, heavy liquid. Mercury is highly toxic, irritating, and causes sensitization and neurological symptoms. The primary health hazard associated with overexposure to this product is the potential for irritation of skin, eyes, or other contaminated tissues. Mercury causes severe, adverse health effects after chronic exposure to low vapor levels; emergency response efforts must be directed to removal of all traces of this product. Mercury is not flammable, and is relatively stable (though it can react with many metals to form amalgams). Emergency responders must wear the personal protective equipment suitable for the situation to which they are responding.

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of occupational over-exposure are inhalation and contact with skin and eyes. The symptoms of over-exposure to Mercury, via route of exposure, are as follows:

INHALATION: Long-term exposures to Mercury vapors present a severe health hazard. When inhaled, Mercury will be rapidly distributed throughout the body. During this time, Mercury will cross the blood-brain barrier, and become oxidized to the Hg(II) oxidation state. The oxidized species of Mercury cannot cross the blood-brain barrier and thus accumulates in the brain. Mercury in other organs is removed slowly from the body via the kidneys. The average half-time for clearance of Mercury for different parts of the human body is as follows: lung: 1.7 days; head: 21 days; kidney region: 64 days; chest: 43 days; whole body: 58 days.

Long-term inhalation over-exposures can lead to the development of a wide variety of symptoms, including the following: excessive salivation, gingivitis, anorexia, chills, fever, cardiac abnormalities, anemia, digestive problems, abdominal pains, frequent urination, an inability to urinate, diarrhea, peripheral neuropathy (numbness, weakness, or burning sensations in the hands or feet), tremors (especially in the hands, fingers, eyelids, lips, cheeks, tongue, or legs), alteration of tendon reflexes, slurred speech, visual disturbances, and deafness. Allergic reactions (i.e. breathing difficulty) may also occur in sensitive individuals.

The principal target organ associated with chronic Mercury exposures via inhalation is the central nervous system. Such exposures lead to the development of "Erethism". This syndrome consists of subtle or dramatic changes in behavior and personality: depression, fearfulness, restlessness, irritability, timidity, and indecision. These psychic and behavioral characteristics are often accompanied by insomnia, drowsiness, headache, and fatigue. In advanced cases, memory loss, hallucinations, and mental deterioration may occur.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH	(BLUE)	3
FLAMMABILITY	(RED)	0
REACTIVITY	(YELLOW)	0

PROTECTIVE EQUIPMENT | X

EYES	RESPIRATORY	HANDS	BODY
	See Section 8		See Section 8

For a variety of applications involving elemental Mercury.

See Section 16 for Definition of Ratings

Another, less common, syndrome associated with Mercury over-exposure is "Acrodynia". Symptoms of this syndrome include a pink color to the extremities, apathy, fever, kidney problems, sensitivity to light, generalized edema, and a painful scaling of the skin of the hands and feet. Other symptoms of chronic over-exposure to Mercury can include loosening of the teeth, inflammation of the mucous membranes, a dark blue line appearing along gingival margins, abnormal blushing, excessive sweating, and rashes. Reproductive effects, sexual disorders, and impotence may also develop in the event of Mercury over-exposure.

Short-term over-exposures to high concentrations of mercury vapors can lead to breathing difficulty, coughing, acute, chemical pneumonia, and pulmonary edema (a potentially fatal accumulation of fluid in the lungs). Depending on the concentration of over-exposure, cardiac abnormalities, damage to the kidney, liver or nerves and effects on the brain may occur.

If this product is heated, and exposure to Mercury fumes occurs, "Metal Fume Fever" may develop. This syndrome is a flu-like illness which occurs when metal oxides below 1.5 microns in size are inhaled. Symptoms of this syndrome may develop 4-12 hours after exposure and begin with the onset of thirst, metallic taste in the mouth, and symptoms of Mercury poisoning as described above. All symptoms generally subside within 24-36 hours after the over-exposure ends.

CONTACT WITH SKIN or EYES: Mercury can be irritating to contaminated skin and eyes. Symptoms of skin exposure can include redness, dry skin, and pain. Prolonged contact may lead to ulceration of the skin. Allergic reactions (i.e. rashes, welts) may occur in sensitive individuals. Dermatitis (redness and inflammation of the skin) may occur after repeated skin exposures. Symptoms of eye exposure can include redness, pain, and watery eyes. A symptom of Mercury exposure is discoloration of the lens of the eyes.

SKIN ABSORPTION: Skin absorption is a significant route of potential over-exposure to Mercury. Currently, no quantitative estimates of the rate of penetration are available. Symptoms of such over-exposure would include redness and irritation of the contaminated area, as well as the development of symptoms described for "Inhalation".

INGESTION: Ingestion is not anticipated to be a significant route of occupational over-exposure. If Mercury is swallowed, symptoms of such over-exposure can include metallic taste in mouth, nausea, vomiting, central nervous system effects, and damage to the kidneys. Metallic mercury is not usually absorbed sufficiently from the gastrointestinal tract to induce an acute, toxic response. Damage to the tissues of the mouth, throat, esophagus, and other tissues of the digestive system may occur. Ingestion may be fatal, due to effects on gastrointestinal system and kidneys.

INJECTION: Injection is not anticipated to be a significant route of over-exposure for this product. If Mercury is injected (i.e. though abrasions and lacerations of the skin), local redness and pain will occur. Other symptoms of such exposure can include the development of embolisms (Mercury blocking a vein or artery), malaise, chest pain, and difficulty in breathing.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in **Lay Terms**. The most severe health effects associated with Mercury exposure are related to long-term exposures to vapors. In the event of over-exposure, the following symptoms may be observed:

ACUTE: Mercury can be irritating to contaminated skin and eyes. Short-term over-exposures to high concentrations of mercury vapors can lead to breathing difficulty, coughing, acute, and potentially fatal lung disorders. Depending on the concentration of inhalation over-exposure, heart problems, damage to the kidney, liver or nerves and effects on the brain may occur.

CHRONIC: Long-term over-exposure can lead to a wide range of adverse health effects. Anyone using Mercury must pay attention to personality changes, weight loss, skin or gum discolorations, stomach pains, and other signs of Mercury over-exposure. Gradually developing syndromes ("Erethism" and "Acrodynia") are indicative of potentially severe health problems. Mercury can cause the development of allergic reactions (i.e. dermatitis, rashes, breathing difficulty) upon prolonged or repeated exposures. Refer to Section 11 (Toxicology Information) for additional data.

TARGET ORGANS: ACUTE: Skin, eyes, respiratory system, central nervous system, brain. CHRONIC: Skin, respiratory system, central nervous system, brain, blood system, kidneys, and reproductive system.

PART II *What should I do if a hazardous situation occurs?*

4. FIRST-AID MEASURES

Contaminated individuals must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of label and MSDS to health professional with victim.

SKIN EXPOSURE: If Mercury contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove exposed or contaminated clothing, taking care not to contaminate eyes. The contaminated individual must seek immediate medical attention.

EYE EXPOSURE: If Mercury contaminates the eyes, open the victim's eyes while under gently running water. Use sufficient force to open eyelids. Have the contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. The contaminated individual must seek immediate medical attention.

INHALATION: If Mercury vapors are inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Remove or cover gross contamination to avoid exposure to rescuers. The contaminated individual must seek immediate medical attention.

INGESTION: If Mercury is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, induce vomiting. Have victim rinse mouth with water, or drink several cupfuls of water, if conscious. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Preexisting respiratory problems, dermatitis, central nervous system disorders, kidney problems, and liver dysfunctions can be aggravated by exposure to this product.

RECOMMENDATIONS TO PHYSICIANS: Treatment for Mercury over-exposure must be given. The following treatment protocol for ingestion of Mercury is from Clinical Toxicology of Commercial Products (5th Edition, 1984).

1. As soon as possible, have patient drink milk or slurry of activated charcoal to help precipitate mercury in the stomach.
2. Gastric lavage with tap water, milk, or 2-5% solution of sodium bicarbonate, unless spontaneous vomiting is intense and productive,
3. Administer through the lavage tube 0.5-1.0 oz. of sodium or magnesium sulfate in 6-8 oz. of water (unless spontaneous purging has already begun) and a slurry of activated charcoal.
4. Administer BAL (Dimercaprol; 3 mg/kg or 0.3 mL/10 kg) intramuscularly as a 10% solution in oil. If given within three hours after ingestion, severe renal damage may be prevented. Collect urine before and after BAL therapy for mercury analysis.
5. Demulcents (i.e. milk of magnesia, starch, bismuth subcarbonate) and analgesic drugs may be useful and necessary.

RECOMMENDATIONS TO PHYSICIANS (continued):

6. Because the BAL-Mercury Complex excreted in bile may be partly resorbed in the bowel, it is probably useful to administer activated charcoal every few hours, starting as soon as vomiting subsides.
7. Treat shock by correcting dehydration and electrolyte imbalances. If renal insufficiency develops, treat for acute renal failure.
8. The maintenance of an adequate nutritional status may be troublesome if gastrointestinal disorders becomes severe or persistent.
9. If toxic signs or symptoms recur after an apparent recovery, another course of chelation therapy is warranted. BAL is still appropriate, but a trial with D-Penicillamine or N-acetyl-D,L-penicillamine may be preferable. Either penicillamine compound is given by mouth, usually on an empty stomach, in a dose of 250 mg (4 times daily for adults; 3 times daily in children; 5-10 days). Penicillamine should be withheld until mercury is cleared out of the bowels. A chelating agent should be used until the urine-mercury level falls below 50μg/24 hours.

Laboratory Analysis: Determination of β2-Microglobulins has been recommended as a useful test for renal function. Electroencephalographic changes may be correlated closely with the clinical state. Analysis of the blood, hair, urine, or feces can be done to determine the level of Mercury exposure. Mercury deposits in the body can be observed in X-Rays.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not flammable.
AUTOIGNITION TEMPERATURE: Not applicable.
FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): Not applicable.
Upper (UEL): Not applicable.

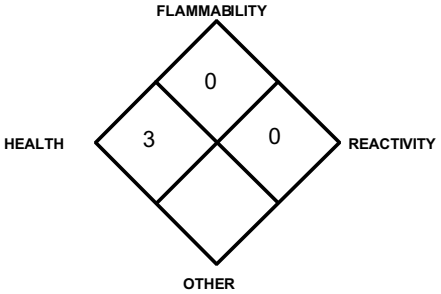
FIRE EXTINGUISHING MATERIALS:

Water Spray: YES	Carbon Dioxide: YES
Foam: YES	Dry Chemical: YES
Halon: YES	Other: Any "ABC" Class.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Mercury vapors and mercury oxides generated during fires involving this product are toxic; additionally, this element can be irritating to contaminated tissue. Therefore, this product presents a severe health hazard to firefighters. Mercury is not flammable, and is relatively stable (though it can react with many metals to form amalgams).

Explosion Sensitivity to Mechanical Impact: Not sensitive.
Explosion Sensitivity to Static Discharge: Not sensitive.

NFPA RATING



See Section 16 for Definition of Ratings

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers if it can be done without risk to firefighters. Apply cooling water to sides of containers that are exposed to flame until well after fire is out. Decontaminate all equipment thoroughly after the conclusion of fire-fighting activities. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a Mercury release, clear the affected area, protect people, and respond with trained personnel. In the event of a release under 1 pound of Mercury, the minimum Personal Protective Equipment should be **Level C: triple-gloves (rubber gloves and nitrile gloves over latex gloves), chemical resistant suit and boots, hard-hat, and Air-Purifying Respirator with cartridge appropriate for Mercury. Level B, which includes Self-Contained Breathing Apparatus, must be worn if the amount of Mercury released is over 1 pound or when the concentration of oxygen in atmospheres is less than 19.5% or unknown.** If necessary, dike area of release with suitable absorbent materials. There are a variety of methods which can be used to clean-up Mercury spills. Use a commercially-available Mercury Spill Kit for small spills. A suction pump with aspirator can also be used during clean-up operations. For larger releases, a Mercury vacuum can be used. Calcium polysulfide or excess sulfur can also be used for clean-up. Mercury can migrate into cracks and other difficult-to-clean areas; calcium polysulfide and sulfur can be sprinkled effectively into these areas. Decontaminate the area thoroughly. The area should be inspected visually and with colorimetric tubes for Mercury to ensure all traces of Mercury have been removed prior to re-occupation by non-emergency personnel. Decontaminate all equipment used in response thoroughly. If such equipment cannot be adequately decontaminated, it must be discarded with other spill residue. Place all spill residue in an appropriate container, seal immediately, and label appropriately. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and regulations of Canada and it's Provinces. (see Section 13, Disposal Considerations).

PART III *How can I prevent hazardous situations from occurring?*

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting Mercury ON YOU or IN YOU. Wash thoroughly after handling this product. Avoid breathing vapors or spays of this product. Do not eat or drink while handling this product. Remove contaminated clothing immediately. Report all Mercury releases promptly. Clean-up all releases of this product immediately. Supervisors and other responsible personnel must be aware of personality changes, weight loss, or other signs of Mercury over-exposure in employees using this product; these symptoms can develop gradually and are indicative of potentially severe health effects related to Mercury contamination.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Use in a well-ventilated location. Open containers slowly on a stable surface. Drums, flask, and bottles of this product must be properly labeled. Empty containers may contain residual amounts of Mercury; therefore, empty containers should be handled with care. Store drums, flasks, and bottles in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Material should be stored in secondary containers or in a diked area, as appropriate. Keep drums, flasks, and bottles tightly closed when not in use. Storage areas should be made of fire-resistant materials. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Decontaminate equipment thoroughly before maintenance begins.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in Section 2 (Composition and Information on Ingredients), if applicable. Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limits listed in Section 2 (Composition and Information on Ingredients), if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134) or equivalent U.S. State standards, and Canadian CSA Standard Z94.4-93. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998).The following respirator selection guidelines from NIOSH are provided for additional information:

RECOMMENDATIONS FOR MERCURY COMPOUNDS [except (organo) alkyls] (as Hg) CONCENTRATIONS IN AIR:

Up to 0.5 mg/m^3: Chemical cartridge respirator with cartridge(s) to protect against mercury compounds (an End-of-Service Life Indicator is required); or Supplied-Air Respirator (SAR).

Up to 1.25 mg/m^3: SAR operated in a continuous-flow mode; or powered air- purifying respirator with cartridge(s) to protect against mercury compounds (canister) (an End-of-Service Life Indicator is required.)

Up to 2.5 mg/m^3: Full-facepiece chemical cartridge respirator with cartridge(s) to protect against mercury compounds; or gas mask with canister to protect against mercury compounds; or SAR with a tight-fitting facepiece operated in a continuous-flow mode; or powered air-purifying respirator with a tight-fitting facepiece and cartridge(s) to protect against mercury compounds (canister) (an End-of-Service Life Indicator is required); or full-facepiece Self-Contained Breathing Apparatus (SCBA); or full-facepiece SAR.

Up to 10 mg/m^3: Positive pressure SAR.

Emergency or Planned Entry into Unknown Concentrations or IDLH Conditions: Positive pressure, full-facepiece SCBA; or positive pressure, full-facepiece SAR with an auxiliary positive pressure SCBA.

Escape: Gas mask with canister to protect against mercury compounds; or escape-type SCBA.

EYE PROTECTION: Splash goggles or safety glasses. For operations involving the use of more than 1 pound of Mercury, or if the operation may generate a spray of Mercury, the use of a faceshield is recommended.

HAND PROTECTION: Wear neoprene gloves for routine industrial use. Use triple gloves for spill response, as stated in Section 6 (Accidental Release Measures) of this MSDS.

BODY PROTECTION: Use body protection appropriate for task (i.e. lab coat, coveralls, Tyvek suit).

9. PHYSICAL and CHEMICAL PROPERTIES

RELATIVE VAPOR DENSITY (air = 1): 6.9

EVAPORATION RATE (n-BuAc = 1): Not determined.

SPECIFIC GRAVITY (water = 1): 13.5939

MELTING/FREEZING POINT: -38.87°C (-37.97°F)

SOLUBILITY IN WATER: Insoluble.

BOILING POINT: 356.72°C (674.1°F)

VAPOR PRESSURE, mm Hg @ 25°C: 0.002

pH: Not applicable.

ODOR THRESHOLD: Not applicable.

COEFFICIENT OF OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT): Not available.

APPEARANCE, ODOR AND COLOR: Mercury is a silver-white, heavy liquid which is odorless.

HOW TO DETECT THIS SUBSTANCE (warning properties): The appearance of this product is a distinguishing characteristic.

10. STABILITY and REACTIVITY

STABILITY: Stable

DECOMPOSITION PRODUCTS: If this product is exposed to extremely high temperatures in the presence of oxygen or air, toxic vapors of mercury and mercury oxides will be generated.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Mercury is incompatible with acetylene and acetylene derivatives, amines, ammonia, 3-bromopropyne, boron diiodophosphide, methyl azide, sodium carbide, heated sulfuric acid, methylsilane/oxygen mixtures; nitric acid/alcohol mixtures, tetracarbonylnickel/oxygen mixtures, alkyne/silver perchlorate mixtures, halogens (i.e. chlorine, bromine) and strong oxidizers (i.e. chlorine dioxide, perchlorates). Mercury can attack copper and copper alloys. Additionally, mercury can react with many metals (i.e. calcium, lithium, potassium, sodium, rubidium, aluminum) to form amalgams.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid exposure or contact to extreme temperatures, incompatible chemicals

PART IV *Is there any other useful information about this material?*

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: The specific toxicology data available for Mercury are as follows.

TDLo (Subcutaneous-Man) 254 mg/kg: Skin and Appendages: dermatitis, other (after systemic exposure)

TDLo (Oral-Man) 43 mg/kg: Behavioral: tremor; Liver: jaundice, other or unclassified, other changes

TDLo (Skin-Man) 129 mg/kg/5 hours-continuous: Sense Organs and Special Senses (Ear): tinnitus; Behavioral: headache; Skin and Appendages: dermatitis, allergic (after systemic exposure)

TDLo (Intravenous-Man) 571 µL/kg: Peripheral Nerve and Sensation: paresthesis; Lungs, Thorax, or Respiration: dyspnea; Skin and Appendages: sweating

TDLo (Intraperitoneal-Rat) 400 mg/kg/14 days-intermittent: Tumorigenic: equivocal tumorigenic agent by RTECS criteria, tumors at site of application

TCLo (Inhalation-Woman) 150 µg/m^3/46 days: Behavioral: wakefulness, anorexia (human); Gastrointestinal: hypermotility, diarrhea

TCLo (Inhalation-Man) 44300 µg/m^3/8 hours: Behavioral: muscle weakness; Liver: other changes; Nutritional and Gross Metabolic: body temperature increase

TCLo (Inhalation-Rat) 4 mg/m^3/2 hours/11 days-intermittent: Brain and Coverings: other degenerative changes; Kidney, Ureter, Bladder: other changes; Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels: other Enzymes

TCLo (Inhalation-Rat) 1 mg/m^3/24 hours/5 weeks-continuous: Kidney, Ureter, Bladder: proteinuria

TCLo (Inhalation-Rat) 8 µg/m^3/6.5 hours/41 weeks-intermittent: Behavioral: alteration of classical conditioning

TCLo (Inhalation-Rat) 17 mg/m^3/2 hours/30 days-continuous: Brain and Coverings: other degenerative changes; Behavioral: alteration of classical conditioning, alteration of operant conditioning

TCLo (Inhalation-Rat) 890 ng/m^3/24 hours: male 16 week(s) pre-mating: Reproductive: Paternal Effects: spermatogenesis (incl. genetic material, sperm morphology, motility, and count)

TCLo (Inhalation-Rat) 7440 ng/m^3/24 hours: male 16 week(s) pre-mating: Reproductive: Fertility: post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants)

TCLo (Inhalation-Rat) 1 mg/m^3/24 hours: female 1-20 day(s) after conception: Reproductive: Effects on Embryo or Fetus: fetotoxicity (except death, e.g., stunted fetus)

TCLo (Inhalation-Rat) 300 µg/m^3/4 hours: female 7-21 day(s) after conception: Reproductive: Specific Developmental Abnormalities: Central Nervous System

LCLo (Inhalation-Rabbit) 29 mg/m^3/30 hours

Cytogenetic Analysis (Unreported-Man) 150 µg/m^3

SUSPECTED CANCER AGENT: Mercury is listed as follows by agencies tracking carcinogenic potential:

ACGIH TLV-A4 (Not Classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans, but which cannot be assessed conclusively because of a lack of data); EPA- D (Not Classifiable as to Human Carcinogenicity-Inadequate human and animal evidence of carcinogenicity or no data are available); IARC-3 (Possibly Carcinogenic to Humans)

Mercury is not found on the following lists: FEDERAL OSHA Z LIST, NTP, or CAL/OSHA and therefore is not considered to be, nor suspected to be, a cancer-causing agent by these agencies.

11. TOXICOLOGICAL INFORMATION (continued)

IRRITANCY OF PRODUCT: Mercury can be irritating to skin, eyes, or other contaminated tissue.

SENSITIZATION TO THE PRODUCT: Mercury is a sensitizer capable of causing allergic reactions (i.e. breathing difficulty, dermatitis, rashes) after prolonged or repeated over-exposures.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of Mercury on the human reproductive system.

Mutagenicity: Human mutation data are available for Mercury; these data were obtained during clinical studies on specific human tissues exposed to high doses of this element.

Embryotoxicity: This product may cause embryotoxic effects in humans. Refer to the paragraph on "Teratogenicity" for additional information.

Teratogenicity: This product may cause teratogenic effects in humans. Intrauterine exposure may result in tremors and involuntary movements in the fetus. Mercury has also been reported to produce teratogenic effects in test animals.

Reproductive Toxicity: This product is reported to cause reproductive effects in humans. Impotence has been reported in over-exposed males. Women occupationally exposed have reported menstrual disturbances, reduced ovulation, and spontaneous abortions. Mercury is excreted in breast milk. Mercury has also been reported to produce adverse reproductive effects in test animals.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURE INDICES: The following Biological Exposure Indices (BEIs) have been determined for Mercury.

CHEMICAL DETERMINANT	SAMPLING TIME	BEI
MERCURY • Total inorganic mercury in urine • Total inorganic mercury in blood	 • Preshift • End of shift at end of workweek	 • 35 μg/g creatinine • 15 μg/L

Note: Women of child-bearing potential, whose blood Pb exceeds 10 μg/dl, are at risk of delivering a child with a blood Pb over the current Center for Disease Control Quideline of 10 μg/dl. If the blood Pb of such children remains elevated, they may be at increased risk of cognitive deficits. The blood Pb of these children should be closely monitored and appropriate steps should be taken to minimize the child's exposure to environmental lead.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: Mercury is stable, and persists for long periods in ambient environmental conditions. The following environmental data are available for this element:

The biological half-life of mercury in fish is approximately 2 to 3 years. Mercury bioaccumulates and concentrates in the food chain. Concentration may be as much as 10,000 times that of water. Mercury is concentrated by animals, plants and fishes. Chinook salmon fed contaminated fingerlings concentrated Mercury in the liver and kidneys. Methyl mercury is formed naturally in aquatic and terrestrial environments from elemental mercury. Methylation is likely to occur in upper sedimentary layers of sea or lake bottoms.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: Mercury can be harmful or fatal to contaminated plant or animal life.

EFFECT OF CHEMICAL ON AQUATIC LIFE: Mercury can be harmful or fatal to contaminated aquatic plant or animal life in contaminated bodies of water. The following aquatic toxicity data are available for Mercury:

MERCURY:

LC_{50} (Catfish) = 0.35 mg/L/ 96 hours (conditions of bioassay not specified)

LC_{50} (*Modiolus carvalhoi*) (mollusk) = 0.5 ppm / 48 hours; 0.19 ppm - 96 hours (conditions of bioassay not specified)

LC_{50} (*Rana hexadactyla*) (tadpoles) = 0.051 ppm / 96 hours (conditions of bioassay not specified)

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, should be recycled. If altered by use, recycling may be possible. Consult Bethlehem Apparatus Company for information. If Mercury must be disposed of as hazardous waste, it must be handled at a permitted facility or as advised by your local hazardous waste regulatory authority.

EPA WASTE NUMBER: Depending on the nature of the waste, one of the following RCRA codes will be applicable: U151 (Toxic Commercial Chemical Products/Mercury); D009 (Characteristic; Toxicity Characteristic Leaching Procedure; Regulated Level: 0.2 mg/L).

14. TRANSPORTATION INFORMATION

THIS MATERIAL IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME:	Mercury
HAZARD CLASS NUMBER and DESCRIPTION:	8 (Corrosive Material)
UN IDENTIFICATION NUMBER:	UN 2809
PACKING GROUP:	PG III
DOT LABEL(S) REQUIRED:	Corrosive

NOTE: For transport by aircraft, Mercury must be packaged in packagings which meet the requirements of Packing Group I Performance Level. For transportation by other modes, Mercury must be packaged in packagings which meet the requirements of Packing Group III Performance Level or in non-specification reusable metal packagings. Refer to 49 CFR 173.164 for specific packaging requirements.

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER, 2000: 172

MARINE POLLUTANT: Mercury is not listed as a Marine Pollutant, per Appendix B to 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This material is considered as dangerous goods, per regulations of Transport Canada. Use the above U.S. DOT information for the preparation of Canadian Shipments.

15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: Mercury is subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, as follows:

CHEMICAL NAME	SARA 302 (40 CFR 355, Appendix A)	SARA 304 (40 CFR Table 302.4)	SARA 313 (40 CFR 372.65)
Mercury	No	YES	YES

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for Mercury. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs. (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. TSCA INVENTORY STATUS: Mercury is listed on the TSCA Inventory.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Mercury = 1 lb (0.454 kg)

OTHER U.S. FEDERAL REGULATIONS: Mercury is regulated as follows (other regulations may be applicable):

EPA: Mercury is listed as a Hazardous Air Pollutant (HAP) generally known or suspected to cause serious health problems. The Clean Air Act, as amended in 1990, directs EPA to set standards requiring major sources to sharply reduce routine emissions of toxic pollutants. EPA is required to establish and phase in specific performance based standards for all air emission sources that emit one or more of the listed pollutants. Mercury is included on this list.

FDA: The action level of 1.0 ppm total mercury in fish has been revised on September 12, 1984 by FDA to apply only to methyl mercury.

FIFRA: All uses of mercury are cancelled except the following: 1) as a fungicide in the treatment of textiles and fabrics intended for continuous outdoor use; 2) as a fungicide to control brown mold on freshly sawn lumber; 3) as a fungicide treatment to control Dutch elm disease; 4) as an in-can preservative in water based paints and coatings; 5) as a fungicide in water-based paints and coatings used for exterior application; 6) as a fungicide to control "winter turf diseases" such as Sclerotinia boreales, and gray and pink snow mold subject to the following: a. the use of these products shall be prohibited within 25 feet of any water body where fish are taken for human consumption. b. these products can be applied only by or under the direct supervision of golf course superintendents. These types of Mercury-containing products will be classified as restricted use pesticides when they are reregistered and classified in accordance with Section 4(C) of FEPCA.

U.S. STATE REGULATORY INFORMATION: Mercury is covered under specific State regulations, as denoted below:

Alaska - Designated Toxic and Hazardous Substances: Mercury.
California - Permissible Exposure Limits for Chemical Contaminants: Mercury.
Florida - Substance List: Mercury.
Illinois - Toxic Substance List: Mercury.
Kansas - Section 302/313 List: Mercury.
Massachusetts - Substance List: Mercury.
Michigan – Critical Materials Register: Mercury.
Minnesota - List of Hazardous Substances: Mercury.
Missouri - Employer Information/Toxic Substance List: Mercury.
New Jersey - Right to Know Hazardous Substance List: Mercury.
North Dakota - List of Hazardous Chemicals, Reportable Quantities: Mercury.
Pennsylvania - Hazardous Substance List: Mercury.
Rhode Island - Hazardous Substance List: Mercury.
Texas - Hazardous Substance List: Mercury.
West Virginia - Hazardous Substance List: Mercury.
Wisconsin - Toxic and Hazardous Substances: Mercury.

ADDITIONAL U.S. REGULATIONS (continued):

CALIFORNIA PROPOSITION 65: Mercury is on the California Proposition 65 lists. WARNING: Contains a chemical known to the State of California to cause birth defects or other reproductive harm.

LABELING (Precautionary Statements) ANSI LABELING (Z129.1):: **DANGER!** HIGHLY TOXIC AFTER LONG-TERM EXPOSURE. DANGER OF CUMULATIVE EFFECTS. MAY CAUSE DAMAGE TO THE NERVOUS SYSTEM, BLOOD SYSTEM, KIDNEYS, LIVER. REPRODUCTIVE HAZARD. HARMFUL OR FATAL IF INHALED OR SWALLOWED. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION. CAUSES SKIN AND EYE IRRITATION Do not get on skin, in eyes, or on clothing. Avoid prolonged contact with the skin. Avoid breathing vapors and fumes. Do not take internally. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Wear gloves, goggles, face-shield, body protection, and NIOSH-approved respiratory protection, as appropriate. FIRST-AID: In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If inhaled, remove to fresh air. If ingested, induce vomiting. Get medical attention immediately. IN CASE OF FIRE: Use water fog, dry chemical, CO_2, or "alcohol" foam. IN CASE OF SPILL: Vacuum released material, or use a Mercury Spill Kit. Containerize residue immediately, and label appropriately. Consult Material Safety Data Sheet for additional information.

ADDITIONAL CANADIAN REGULATIONS:

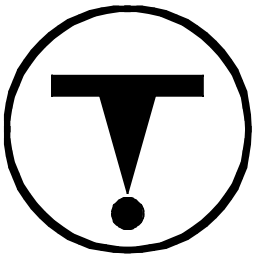
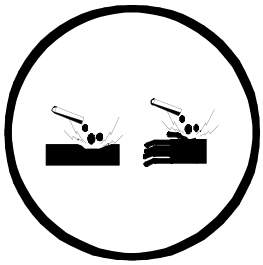
CANADIAN DSL/NDSL INVENTORY STATUS: Mercury is listed on the DSL Inventory.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: Mercury is not on the CEPA Priorities Substances Lists.

CANADIAN WHMIS SYMBOLS:

D1B:	Materials Causing Immediate and Serious Toxic Effects/Toxic Material
D2A:	Materials Causing Other Toxic Effects/Very Toxic Material
D2B:	Materials Causing Other Toxic Effects/Toxic Material
E:	Corrosive Material

16. OTHER INFORMATION

PREPARED BY: CHEMICAL SAFETY ASSOCIATES, Inc.
9163 Chesapeake Drive, San Diego, CA 92123-1002
(858) 565 - 0302

DATE OF PRINTING: May 1, 2000

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Bethlehem Apparatus Company responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Bethlehem Apparatus Company for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:

CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent.

EXPOSURE LIMITS IN AIR:

ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits. **TLV -** Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average **(TWA)**, the 15-minute Short Term Exposure Limit, and the instantaneous Ceiling Level **(C)**. Skin absorption effects must also be considered.

OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order. **IDLH -** Immediately Dangerous to Life and Health **-** This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. **The DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called Recommended Exposure Levels (**REL**s). When no exposure guidelines are established, an entry of **NE** is made for reference.

HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: Health Hazard: **0** (minimal acute or chronic exposure hazard); **1** (slight acute or chronic exposure hazard); **2** (moderate acute or significant chronic exposure hazard); **3** (severe acute exposure hazard; onetime overexposure can result in permanent injury and may be fatal); **4** (extreme acute exposure hazard; onetime overexposure can be fatal). Flammability Hazard: **0** (minimal hazard); **1** (materials that require substantial pre-heating before burning); **2** (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); **3** (Class IB and IC flammable liquids with flash points below 38°C [100°F]); **4** (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]. Reactivity Hazard: **0** (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); **2** (materials that are unstable but do not detonate or which can react violently with water); **3** (materials that can detonate when initiated or which can react explosively with water); **4** (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: **0** (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); **1** (materials that on exposure under fire conditions could cause irritation or minor residual injury); **2** (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); **3** (materials that can on short exposure could cause serious temporary or residual injury); **4** (materials that under very short exposure causes death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System".

FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (**NFPA**). Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Human and Animal Toxicology: Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: **LD_{50}** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC_{50}** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** concentration expressed in parts of material per million parts of air or water; **mg/m^3** concentration expressed in weight of substance per volume of air; **mg/kg** quantity of material, by weight, administered to a test subject, based on their body weight in kg. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TDo**, **LDLo**, and **LDo**, or **TC**, **TCo**, **LCLo**, and **LCo**, the lowest dose (or concentration) to cause lethal or toxic effects. **Cancer Information:** The sources are: **IARC** - the International Agency for Research on Cancer; **NTP** - the National Toxicology Program, **RTECS** - the Registry of Toxic Effects of Chemical Substances, **OSHA** and **CAL/OSHA**. IARC and NTP rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. **Other Information: BEI** - ACGIH Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV. **Ecological Information:** EC is the effect concentration in water. **BCF** = Bioconcentration Factor, which is used to determine if a substance will concentrate in lifeforms which consume contaminated plant or animal matter. Coefficient of Oil/Water Distribution is represented by **log K_{ow}** or **log K_{oc}** and is used to assess a substance's behavior in the environment.

REGULATORY INFORMATION:

This section explains the impact of various laws and regulations on the material. **U.S.: EPA** is the U.S. Environmental Protection Agency. **DOT** is the U.S. Department of Transportation. **SARA** is the Superfund Amendments and Reauthorization Act. **TSCA** is the U.S. Toxic Substance Control Act. **CERCLA (or Superfund)** refers to the Comprehensive Environmental Response, Compensation, and Liability Act. Labeling is per the American National Standards Institute (**ANSI Z129.1**). **CANADA: CEPA** is the Canadian Environmental Protection Act. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **TC** is Transport Canada. **DSL/NDSL** are the Canadian Domestic/Non-Domestic Substances Lists. **The CPR is the Canadian Product Regulations.** This section also includes information on the precautionary warnings which appear on the materials package label.

Material Safety Data Sheet

1. Product and Company Identification

Product name : **Benzene**

Chemical formula : C6-H6

Synonyms : Benzol, Cyclohexatriene, Benzole, Phene, Pyrobenzol, Pyrobenzole, Carbon Oil, Coal Tar Naphtha, Phenyl Hydride, Benzolene, Bicarburet of Hydrogen, Coal Naphtha, Motor Benzol, Annulene, (6) Annulene, UN 1114

Company : Specialty Gases of America, Inc
6055 Brent Dr.
Toledo, OH 43611

Telephone : 419-729-7732

Emergency : 800-424-9300

2. Composition/Information on Ingredients

Components	CAS Number	% Volume
Benzene	71-43-2	99+%
Thiophene	110-02-1	0.00010

3. Hazards Identification

Emergency Overview

Flammable liquid and vapor. Vapor may cause flash fire.
May cause respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, cancer hazard (in humans).

Potential Health Effects

Inhalation : Irritation, ringing in the ears, nausea, vomiting, chest pain, difficulty breathing, irregular heartbeat, headache, drowsiness, symptoms of drunkenness, disorientation, blurred vision, lung congestion, blood disorders, paralysis, convulsion, coma. May cause hearing loss, visual disturbances, reproductive effects, brain damage, cancer in long term exposure.

Eye contact : Irritation.

Skin contact : Irritation, blisters. May cause tingling sensation in long term exposure.

Ingestion : Nausea, vomiting, chest pain, headache, drowsiness, symptoms of drunkenness, disorientation, visual disturbances, lung congestion, paralysis, convulsion, coma. May cause impotence, cancer in long term exposure.

Chronic Health Hazard : Not applicable.

4. First Aid Measures

General advice : None.

Eye contact : Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact	:	Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.
Ingestion	:	Contact local poison control center or physician immediately. Never make an unconscious person vomit or drink fluids. When vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately.
Inhalation	:	If adverse effects occur, remove to contaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

5. Fire-Fighting Measures

Suitable extinguishing media	:	Regular dry chemical carbon dioxide water regular foam. Large fires: Use regular foam or flood with fine water spray.
Specific hazards	:	Severe fire hazard. Moderate explosion hazard. Vapor/air mixtures are explosive. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Electrostatic discharges may be generated by flow or agitation resulting in ignition or explosion.
Fire fighting	:	Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. For fires in cargo or storage area: Cool containers with water from unmanned hose holder or monitor nozzles well after fire is out. If this is impossible, take the following precautions: Keep unnecessary people away, isolate hazard area and deny entry. Let the fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For tank, rail car or tank truck: Evacuation radius: 800 meters (1/2 mile). Water may be ineffective.

6. Accidental Release Measures

Air release	:	Reduce vapors with water spray. Stay upwind and keep out of low areas.
Soil release	:	Dig holding area such as lagoon, pond or pit for containment. Dike for later disposal. Absorb with sand or other non-combustible material.
Water release	:	Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). Keep out of water supplies and sewers. Cover with absorbent sheets, spill-control pads or pillows. Apply detergents, soaps, alcohols or another surface active agent. Collect with absorbent into suitable container. Absorb with activated carbon. Remove trapped material with suction hoses. Collect spilled material using mechanical equipment.
Occupational release	:	Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk. Reduce vapors with water spray. Small spills: Absorb with sand or non-combustible material. Collect spilled material in appropriate container for disposal. Large spills: Dike for later disposal. Remove sources of ignition. Keep unnecessary people away, isolate hazard area and deny entry. Notify Local Emergency Planning Committee and State Emergency Response Committee for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800) 424-8802 (USA) or (202) 426-2675 (USA).

7. Handling and Storage

Handling

Secure cylinder when using to protect from falling. Use suitable hand truck to move cylinders.

Storage

Store in accordance with all current regulations and standards. Subject to storage regulation: U.S. OSHA 29 CFR 1910.106. Grounding and bonding required. Protect from physical damage. Store outside or in a detached building. Store with flammable liquids. Keep separated from incompatible substances.

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH	:	0.5 ppm TWA 2.5 ppm STEL Skin – potential significant contribution to overall exposure by the cutaneous route
OSHA (final)	:	5 ppm STEL (see 29 CFR 1910.1028) 10 ppm TWA applies to industry segments except from the benzene standard at 29 CFR 1910.1028; 1 ppm TWA 25 ppm Ceiling
OSHA (vacated)	:	50 ppm STEL unless specified in 1910.1028 10 minute 10 ppm TWA unless specified in 1910.1028 25 ppm Ceiling unless specified in 1910.1028
NIOSH	:	1 ppm STEL 0.1 ppm TWA

Ventilation

Provide local exhaust or process enclosure ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.

Personal protective equipment

Respiratory protection	:	The following respirators and maximum use concentrations are drawn from NIOSH and/or OSHA. OSHA Standard: Respirator selection should comply with 29 CFR 1910.134, 29 CFR 1910.1028 and the final rule published in the Federal Register on August 24, 2006. NIOSH Recommendations: At any detectable concentration – Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator with full facepiece and operated in pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in positive-demand or other positive-pressure mode. Escape – Any air-purifying respirator (gas mask) with a chin-style, front-mounted or back-mounted organic vapor canister. Any escape-type, self-contained breathing apparatus.
Hand protection	:	Wear appropriate chemical resistant gloves. OSHA REGULATED SUBSTANCES: U.S. OSHA 29 CFR 1910.1028.
Eye protection	:	Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin and body protection	:	Wear appropriate chemical resistant clothing.

9. Physical and Chemical Properties

Form	:	Liquid.
Color	:	Colorless to yellow.

Odor	:	Distinct odor.
Molecular weight	:	78.11
Vapor pressure	:	75 mmHg @ 20°C
Vapor density	:	2.8 (air = 1)
Specific gravity	:	0.8765 @ 20°C (water = 1)
Boiling point	:	176°F (80°C)
Melting point	:	43°F (6°C)
Water solubility	:	0.18% @ 25°C
Solvent solubility	:	Soluble: acetone, alcohol, carbon disulfide, acetic acid, carbon tetrachloride, chloroform, ether, oils.
Evaporation rate	:	5.1 (butyl acetate = 1)

10. Stability and Reactivity

Stability	:	Stable under normal conditions.
Conditions to avoid	:	Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat. Keep out of water supplies and sewers.
Materials to avoid	:	Acids, bases, halogens, oxidizing materials, metal salts.
Hazardous decomposition products	:	Thermal decomposition products: oxides of carbon.

11. Toxicological Information

The components of this material have been reviewed in various sources and the following selected endpoints are published:

BENZENE (71-43-2)	:	Inhalation LC50 Rat: 13050-14380 ppm/4H; Oral LD50 Rat: 1800 mg/kg
THIOPHENE (110-02-1)	:	Oral LD50 Rat: 1400 mg/kg

Acute Toxicity Level

BENZENE (71-43-2)	:	Highly toxic: dermal absorption. Moderately toxic: ingestion. Slightly toxic: inhalation.
THIOPHENE (110-02-1)	:	Toxic: inhalation. Moderately toxic: ingestion.

Component Carcinogenicity

BENZENE (71-43-2)	:	ACGIH: A1 – Confirmed Human Carcinogen IARC: Supplement 7 [1987]; Monograph 29 [1982] (Group 1 (carcinogenic to humans)) DFG: Category 1 (causes cancer in man) Present Known Human Carcinogen

Local Effects

BENZENE (71-43-2)	:	Irritant: inhalation, skin, eye.

Target Organs

BENZENE (71-43-2)	:	Immune system (blood), central nervous system.
THIOPHENE (110-02-1)	:	Central nervous system.

Medical Conditions Aggravated by Exposure

Blood system disorders, immune system disorders or allergies.

Additional Data

May cross the placenta. Alcohol may enhance the toxic effects. Interactions with drugs may occur.

12. Ecological Information

Ecotoxicity Data

BENZENE (71-43-2) : Fish:
96 Hr LC50 Pimephales promelas: 10.7 – 14.7 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 5.3 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 22.49 mg/L [static]; 96 Hr LC50 Poecilia reticulate: 28.6 mg/L [static]; 96 Hr LC50 Pimephales promelas: 22330 – 41160 µg/L [static]; 96 Hr LC50 Lepomis macrochirus: 70000 – 142000 µg/L [static]

Algae:
72 Hr EC50 Pseudokirchneriella subcapitata: 29 mg/L

Invertebrate:
48 Hr EC50 Daphnia magna: 8.76 – 15.6 mg/L [static]; 48 Hr EC50 Daphnia magna: 10 mg/L

13. Disposal Considerations

Waste from residues / unused products : Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U019. Hazardous Waste Number(s): D018. Dispose of in accordance with U.S. EPA 40 CFR 262 for concentrations at or above the Regulatory level. Regulatory level – 0.5 mg/L. Dispose in accordance with all applicable regulations.

Contaminated packaging : Return cylinder to supplier.

Component Waste Numbers

BENZENE (71-43-2) : RCRA: waste_number U019 (Ignitable waste; Toxic waste)
0.5 mg/L regulatory level

14. Transport Information

DOT (US only)

Proper shipping name	:	Benzene
Class	:	3, Packing Group II
UN/ID No.	:	UN1114
Labeling	:	Flammable Liquid

Further information

Cylinders should be transported in a secure upright position in a well ventilated truck.

15. Regulatory Information

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

BENZENE (71-43-2) – 10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule); 4.54 kg final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 1989 final rule)

BENZENE (71-43-2) – SARA 313: 0.1% de minimis concentration
CERCLA: 10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule); 4.54 kg final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 1989 final rule)

SARA 311/312
Acute: Yes
Chronic: Yes
Fire: Yes
Reactive: No
Pressure: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
BENZENE	71-43-2	Yes	Yes	Yes	Yes	Yes	Yes
THIOPHENE	110-02-1	No	Yes	No	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enhancement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause cancer.

16. Other Information

Prepared by : Specialty Gases of America, Inc.
For additional information, please visit our website at www.americangasgroup.com.

Material Safety Data Sheet
Toluene

MSDS Number: M1003
Effective Date: 9/07/2004

Section 1 - Chemical Product and Company Identification

MSDS Name: Toluene
Synonyms: Methacide; Methylbenzene; Methylbenzol; Phenylmethane; Toluol
Company Identification:
VEE GEE Scientific, Inc.
13600 NE 126th Pl Ste A
Kirkland, WA 98034
For information in North America, call: 425-823-4518

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
108-88-3	Toluene	>99	203-625-9

Hazard Symbols: XN F
Risk Phrases: 11 20

Section 3 - Hazards Identification

Emergency Overview
Appearance: Colorless. Flash Point: 40°F. **Warning!** Flammable liquid and vapor. May cause central nervous system depression. May cause liver and kidney damage. This substance has caused adverse reproductive and fetal effects in animals. Causes digestive and respiratory tract irritation. May cause skin irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage. **Danger!** Harmful or fatal if swallowed. Causes eye irritation and possible transient injury. **Poison!** May be absorbed through intact skin. Vapor harmful. Call physician immmediately.
Target Organs: Kidneys, central nervous system, liver.
Potential Health Effects
Eye Contact: Causes eye irritation. May result in corneal injury. Vapors may cause eye irritation.
Skin Contact: Causes moderate skin irritation. May cause cyanosis of the extremities.
Ingestion: Aspiration hazard. May cause irritation of the digestive tract. May cause effects similar to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Inhalation of vapor may cause respiratory tract irritation. May cause liver and kidney damage. Vapors may cause dizziness or suffocation. Overexposure may cause dizziness, tremors, restlessness, rapid heart beat, increased blood pressure, hallucinations, acidosis, kidney failure.
Chronic Exposure: Prolonged or repeated skin contact may cause dermatitis. May cause cardiac sensitization and severe heart abnormalities. May cause liver and kidney damage.

Section 4 - First Aid Measures

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin Contact: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Possible aspiration hazard. Get medical aid immediately.
Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician: Causes cardiac sensitization to endogenous catelcholamines which may lead to cardiac arrhythmias. Do NOT use adrenergic agents such as epinephrine or pseudoepinephrine.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.
Fire Extinguishing Media: Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water. For small fires, use dry chemical, carbon dioxide, water spray or regular foam. Cool containers with flooding quantities of water until well after fire is out. For large fires, use water spray, fog or regular foam.

Section 5 - Fire Fighting Measures

Autoignition Temperature: 422°C (792°F)
Flash Point: 7°C (45°F)
Explosion Limits, lower: 1.2 vol%.
Explosion Limits, upper: 7.1 vol%
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as saw dust. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs	OSHA - Vacated Pels
Toluene	50 ppm TWA	100 ppm TWA 375 mg/m3 TWA 500 ppm IDLH	200 ppm TWA C 300 ppm	100 ppm TWA 375 mg/m3 TWA 150 ppm STEL 560 mg/m3 STEL

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Appearance: Colorless
Odor: Sweet, pleasant
pH: Not available
Vapor Pressure: 36.7 mm Hg @ 30° C
Vapor Density: 3.1
Evaporation Rate: 2.4
Viscosity: 0.59 cP @ 20° C

Boiling Point: 232° F
Freezing/Melting Point: -139° F
Decomposition Temperature: Not available
Solubility: Insoluble
Specific Gravity/Density: 0.9
Molecular Formula: C6H5CH3
Molecular Weight: 92.056

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials: Ntrogen tetroxide, nitric acid plus sulfuric acid, silver perchlorate, strong oxidizers, sodium difluoride.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxilogical Information

Carcinogenicity:
CAS# 108-88-3:
ACGIH: A4 - Not Classifiable as a Human Carcinogen
IARC: Group 3 carcinogen

Section 11 - Toxilogical Information (continued)

Epidemiology: No information available.
Teratogenicity: Specific developmental abnormalities included craniofacial effects involving the nose and tongue, musculoskeletal effects, urogenital and metabolic effects in studies on mice and rats by the inhalation and oral routes of exposure. Some evidence of fetotoxicity with reduced fetal weight and retarded skeletal development has been reported in mice and rats.
Reproductive Effects: Effects on fertility such as abortion were reported in rabbits by inhalation. Paternal effects were noted in rats by inhalation. These effects involved the testes, sperm duct and epididymis.
Neurotoxicity: No information available.
Mutagenicity: No information available.

Section 12 - Ecological Information

Ecotoxicity: No data available. Bluegill LC50=17 mg/L/24H Shrimp LC50=4.3 ppm/96H Fathead minnow LC50=36.2 mg/L/96HSunfish (fresh water) TLm=1180 mg/L/96H
Environmental: From soil, substance evaporates and is microbially biodegraded. In water, substance volatilizes and biodegrades.
Physical: Photochemically produced hydroxyl radicals degrade substance.
Other: None.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: CAS# 108-88-3: waste number U220.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name	Toluene	Toluene
Hazard Class	3	3 (9.2)
UN Number	UN1294	UN1294
Packing Group	II	II
Other		FP 4C

Section 15 - Regulatory Information

US Federal

TSCA: CAS# 108-88-3 is listed on the TSCA inventory.
Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.
CAS# 108-88-3: Effective Date: October 4, 1982; Sunset Date: October 4 , 1992
Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.
Section 12b: None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.
SARA:
Section 302 (RQ): CAS# 108-88-3: final RQ = 1000 pounds (454 kg)
Section 302 (TPQ): None of the chemicals in this product have a TPQ.
SARA Codes: CAS # 108-88-3: acute, flammable.
Section 313: This material contains Toluene (CAS# 108-88-3, 99%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act: CAS# 108-88-3 is listed as a hazardous air pollutant (HAP). This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.
Clean Water Act: CAS# 108-88-3 is listed as a Hazardous Substance under the CWA. CAS# 108-88-3 is listed as a Priority Pollutant under the Clean Water Act. CAS# 108-88-3 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.
STATE: CAS# 108-88-3 can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.
WARNING: This product contains Toluene, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: CAS# 108-88-3: NOEL = 7000 ug/day

European/International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols: XN F
Risk Phrases:
R 11 Highly flammable.
R 20 Harmful by inhalation

Section 15 - Regulatory Information (continued)

Safety Phrases:
S 16 Keep away from sources of ignition - No smoking.
S 25 Avoid contact with eyes.
S 29 Do not empty into drains.
S 33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection): CAS# 108-88-3: 2
Canada - DSL/NDSL: CAS# 108-88-3 is listed on Canada's DSL List.
Canada - WHMIS: This product has a WHMIS classification of B2, D2B.
Canadian Ingredient Disclosure List: CAS# 108-88-3 is listed on Canada's Ingredient Disclosure List.
Exposure Limits: CAS# 108-88-3: OEL-AUSTRALIA:TWA 100 ppm (375 mg/m3);STEL 150 ppm (560 mg/m3) OEL-BELGIUM:TWA 100 ppm (377 g/m3);STEL 150 ppm (565 mg/m3) OEL-CZECHOSLOVAKIA:TWA 200 mg/m3;STEL 1000 mg/m3 OEL-DENMARK:TWA 50 ppm (190 mg/m3);Skin OEL-FINLAND:TWA 100 ppm (375 mg/m3);STEL 150 ppm;Skin OEL-FRANCE:TWA 100 ppm (375 mg/m3);STEL 150 ppm (560 mg/m3) OEL-GERMANY:TWA 100 ppm (380 mg/m3) OEL-HUNGARY:TWA 100 mg/m3;STEL 300 mg/m3;Skin OEL-JAPAN:TWA 100 ppm (380 mg/m3) OEL-THE NETHERLANDS:TWA 100 ppm (375 mg/m3);Skin OEL-THE PHILIPPINES:TWA 100 ppm (375 mg/m3) OEL-POLAND:TWA 100 mg/m3 OEL-USSIA:TWA 100 ppm;STEL 50 mg/m3 OEL-SWEDEN:TWA 50 ppm (200 mg/m3);STEL 100 ppm (400 mg/m3);Skin OEL-SWITZERLAND:TWA 100 ppm (380 mg/m3);STEL 500 ppm OEL-THAILAND:TWA 200 ppm;STEL 300 ppm OEL-TURKEY:TWA 200 ppm (750 mg/m3) OEL-UNITED KINGDOM :TWA 100 ppm (375 mg/m3);STEL 150 ppm;Skin OEL IN BULGARIA, COLOMBIA,JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 09/07/2004

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall VEE GEE Scientific be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if VEE GEE Scientific has been advised of the possibility of such damages.

MATERIAL SAFETY DATA SHEET

Xylenes (Xylol)

SECTION 1 . Product and Company Idenfication

Product Name and Synonym: Xylenes (Xylol)

Product Code: 280-20

Material Uses:

Manufacturer: OFI Testing Equipment Inc.
1006 W. 34th Street
Houston, TX 77018
(877) 880-9885

Entry Date : 5/12/2010

Print Date: 9/13/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2
Flammability:	3
Reactivity:	0

Hazard Rating:

Least	Slight	Moderate	High	Extreme
0	1	2	3	4

NA = Not Applicable NE = Not Established

SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview: Danger! Harmful Or Fatal If Swallowed. Vapor Harmful. Affects Central Nervous System. Causes
Severe Eye Irritation. Causes Irritation To Skin And Respiratory Tract. Chronic Exposure Can Cause Adverse Liver, Kidney, And Blood Effects. Flammable Liquid And Vapor.

Inhalation: Inhalation of Vapors May be Irritating To The Nose And Throat. Inhalation Of High Concentrations May Result In Nausea, Vomiting, Headache, Ringing In The Ears, And Severe Breathing Difficulties Which May Be Delayed In Onset. Substernal Pain, Cough, And Hoarseness Are Also Reported. High Vapor Concentrations Are Anesthetic And Central Nervous System Depressants.

Ingestion: Ingestion Causes Burning Sensation in Mouth and Stomach, Nausea, Vomiting and Salvation.
Minute Amounts Aspirated into the Lungs can Produce a Severe Hemorrhagic Pneumonitis with Severe Pulmonary Injury or Death.

Skin: Skin Contact Results in Loss of Natural Oils and Often Results in Characteristic Dermatitis. May be Absorbed Through the Skin.

Eye Contact: Vapors Cause Eye Irritation. Splashes Cause Severe Irritation, Possible Corneal Burns and Eye
Damage.

Chronic Exposure: Chronic Inhalation Can Cause Headache, Loss of Appetite, Nervousness and Pale Skin.
Repeated or Prolonged Skin Contact may Cause a Skin Rash. Repeated Exposure of the Eyes to High Concentrations of Vapor may Cause Reversible Eye Damage. Repeated Exposure can Damage Bone Marrow, Causing Low Blood Cell Count. May Damage Liver and Kidneys.

Aggravated by Exposure: Persons with Pre-Existing Skin Disorders or Eye Problems or Impaired Respiratory Function, or
Impaired Liver or Kidney Function may be more Susceptible to the Effects of the Substance.

SECTION 3 MIXTURE COMPONENTS

Xylenes (Xylol)

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
☑	Xylenes (Xylol)	CAS# 1330-20-7	100	V/V	OSHA TWA 100 ppm (435 mg/m^3)

SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may ocur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconcious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type:	Water spray, dry chemical, carbon dioxide, alcohol foam
Fire / Explosion Hazards:	Vapor may travel considerable distance to source of ignition and flash back.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area of leak or spill. Wear protective equipment. Clean up in a manner that doen't disperse dust.

Ventilate area or Leak or Spill. Remove all Sources of Ignition. Wear Appropriate Personal
Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and
Unprotected Personnel from Entering. Contain and Recover Liquid when Possible. Use Non-
Sparking Tools and Equipment. Collect Liquid in an Appropriate Container or Absorb with an
Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations
(CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable
Quantities.

SECTION 7 HANDLING AND STORAGE

Keep away from heat and flame. Do not get in eyes, on skin, on clothing. Use with adequate ventilation.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	NIOSH/MSHA-approved respirator
Ventilation	
	Local Exhaust ☑

	Mechanical ☐
Protective Gloves:	Gloves to prevent skin exposure as rubber or vinyl
Eye Protection:	Goggles and Face Shield
Other Protective Equipment:	Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	12.2° C	Percent Volatile by Volume:	>99%
Boiling Point:	138° C	Evaporation Rate	Information not available
Vapor Pressure:	6.72	Evaporation Standard	
Vapor Density:	3.66	Auto Ignition Temp	Information not availabl
Solubility in Water:	Negligible	Lower Flamm. Limit in Air	1.0
Appearance /Odors:	Red liquid, solvent odor	Upper Flamm. Limit in Air	6.0
Flash Point:	17.0° C		
Specific Gravity:	0.864		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Avoid contact with heat, sparks, flames, or other sources of ignition.
Materials to Avoid:	Oxidizing materials
Hazardous Decomposition Products:	Oxides of carbon, acrid fumes
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- 3

SECTION 12 Ecological Information

Environmental Toxicity: When Released to the Soil and Water, this Material may Evaporate to Moderate Extent.

Environmental Toxicity: This material may be toxic to aquatic life. The LC50/96-hour values for fish are between 1 and 10
mg/l. The LC50/96-hour values for fish are between 10 and 100 mg/l.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

Xylenes (Xylol)

DOT Classification: Xylenes, 3, UN1307, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

Chemical Inventory Status –
Part 1:Ingrdient
p-Xylene (106-42-3)
TSCA Yes
EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient
p-Xylene (106-42-3)
Korea Yes
DSL Yes
NDSL No
Phil. Yes

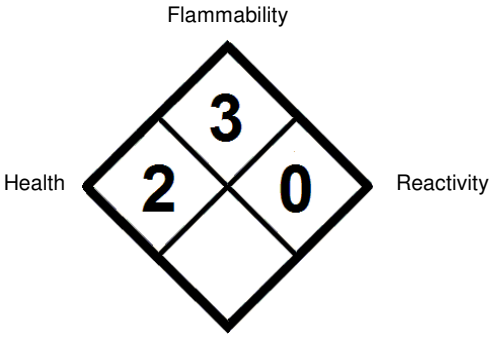
Federal, State & International Regulations –
Part 1: Ingredient.
p-Xylene (106-42-3)
RQ No
TPQ No
List YES
Chemical Catg No

Federal, State &
International Regulations –
Part 2:Ingredient
p-Xylene (106-42-3)
CERCLA 100
261.33 No
8(d) YES

Chemical Weapons Convention: No
TSCA 12 (b):YES
CDTA:NO PURE/LIQUID
SARA 311/312: Acute:YES
Chronic: YES
Fire: YES
Pressure: No
Reactivity: No
Australian Hazchem Code: 3Y
Poison Schedule:S6

SECTION 16 Additional Information

Effects of overexposure, Acute abd Chronic: Irritation of eyes, nose and throat. Reversible eye damage, dermatitis, chemical pneumonia, central nrevous system depression. Conditions aggravated: Persons with pre-existing eye, skin or respiratory conditions may be more susceptible. Target organs: Liver and kidneys.



NFPA

Revisions

6/22/2010	0.1	updated msds to 16 section from 10 section msds. STN

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.

MATERIAL SAFETY DATA SHEET

SECTION 1 ◆ PRODUCT AND COMPANY IDENTIFICATION

Explorer Pipeline Company 6846 South Canton P.O. Box 2650 Tulsa, Oklahoma 74101	**FOR EMERGENCY SOURCE INFORMATION CONTACT:** ➢ (918) 493 - 5100 ➢ CHEMTREC: (800) 424-9300 (24 hour contact) ➢ CANUTEC: (613) 996-6666 ➢ SETIQ: 91-800-00214

TRADE NAMES/SYNONYMS: Methyl Tertiary Butyl Ether, Methyl Ether, Butyl Ether, or MTBE	**CHEMICAL FAMILY:** Alkyl Ethyl	**EPL Code:** 17

This material safety data sheet represents the composite characteristics and properties of fungible petroleum hydrocarbons and other related substances transported by explorer pipeline company. The information presented was compiled from one or more product shipper sources and is intended to provide health and safety guidance for these fungible products. Individual shipper and manufacturer MSDSs are available at Explorer Pipeline Company's, Tulsa, Oklahoma, offices.

SECTION 2 ✷ HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! EXTREMELY FLAMMABLE LIQUID

- Clear, colorless liquid with ether-like odor;
- Eye and mucous membrane irritant - effects central Nervous system - harmful or fatal if swallowed - aspiration hazard;
- High fire hazard. Keep away from heat, spark, open flame, and other ignition sources;
- Contact may cause eye, skin and mucous membrane irritation. Avoid prolonged breathing of vapors or mists;
- Inhalation may cause irritation, anesthetic effects (dizziness, nausea, headache, intoxication), and respiratory system effects;
- If ingested, do NOT induce vomiting, as this may cause chemical pneumonia (fluid in the lungs); and
- Obtain prompt medical attention. Keep Out of Reach of Children!

SECTION 3 ▼ COMPOSITION/INFORMATION OF INGREDIENTS

INGREDIENT	CAS NUMBER	PERCENTAGE (%)
Methyl Tertiary Butyl Ether	1634-04-4	97+%

ACUTE

GETTING IT IN YOUR EYE...

- May cause minor eye irritation.

GETTING IT ON YOUR SKIN...

- No significant signs or symptoms indicative of any health hazard are expected to occur as a result of skin absorption exposure.
- May produce skin irritation.

SWALLOWING IT...

- The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

BREATHING IT...

- Excessive exposure may cause irritation to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

CHRONIC

- Medical information regarding special health effects is not conclusive.

CANCER, REPRODUCTIVE AND GENETIC EFFECTS

- This product has produced cancer, developmental and systemic toxicity in laboratory animals following repeated exposure. The significance of these results to human exposures has not been determined.

See Toxicological Information (Section 11) For More Information

SECTION 4 ✚ FIRST AID MEASURES

EYES: In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persist.

SKIN: Immediately remove contaminated clothing. Wash skin thoroughly with mild soap/water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first.

INGESTION: If large quantity swallowed, give lukewarm water (pint) if victim completely conscious/alert. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

INHALATION: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY AND SUPPORTIVELY

SECTION 5 ⌘ FIRE FIGHTING MEASURES

Releases flammable vapors below normal ambient temperatures. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air. May travel long distances along ground before igniting/flashing back to vapor source.

FLASH POINT:(Method Used) -30°F	**FLAMMABLE LIMITS:** LEL: 1.0% UEL: 8.0%

AUTOIGNITION TEMPERATURE: 797°F

EXTINGUISHING MEDIA: Dry Chemical, CO_2, Foam for Alcohols, Water spray, and fog to cool exposures

HAZARDOUS REACTIONS/DECOMPOSITION: Combustion may produce carbon monoxide, carbon dioxide, and acrid fumes. Incomplete combustion generates highly poisonous carbon monoxide and perhaps other toxic gases.

SPECIAL INSTRUCTIONS: Do not enter fire area without proper protection. Decomposition products possible. Fight fires from safe distance/protected location. Heat may build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Water may be ineffective due to low flash point. Even if material is water soluble, may not be practicable to extinguish fire by water dilution. Apply water spray/fog for cooling. Notify authorities if liquid enters sewer/public waters.

SECTION 6 ❖ ACCIDENTAL RELEASE MEASURES

- Flammable liquid. Release can cause fire/explosion. Liquids/vapors may ignite. Evacuate/limit access. Equip responders with proper protection. Kill all ignition sources. Stop release. Prevent flow to sewers/public waters. Notify fire/environmental authorities. Blanket with firefighting foam. Restrict water use for cleanup. Impound/recover large land spill. Soak up small spill with inert solids. Use suitable disposal containers. On water material partially soluble/may float or sink. Contain/minimize dispersion/collect. Disperse residue to reduce aquatic harm.

SECTION 7 ✂ HANDLING AND STORAGE

Prior to working with this product workers should be trained on its proper handling and storage

- Store in tightly closed/properly vented containers away from heat/sparks/open flame/strong oxidizers. Use only non-sparking tools. Store drums with bung in up position. Carefully vent internal pressure before removing closure. Containers must be grounded before transfer. Electrical equipment should conform to National Electric Code. Handle used containers with care; residue may be flammable/explosive, unless blanketed with inert gas.
- Isolate, vent, drain, wash, and purge equipment before maintenance. Remove all ignition sources, check atmosphere for explosiveness and oxygen deficiencies. Use adequate personal protective equipment. Observe precautions pertaining to confined space entry.

SECTION 8 ⌖ EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: No special ventilation is usually required beyond that needed for normal comfort control.

OTHER HYGIENIC AND WORK PRACTICES: Emergency eye wash fountains and safety showers should be available in the immediate vicinity or any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse. Shower after work using plenty of soap and water.

EXPOSURE LIMITS

OSHA PEL		ACGIH TLV (2005)	
METHYL TERT BUTYL ETHER			
TWA	STEL	TWA	STEL
Not Applicable (N.A.)	N.A.	50 ppm	N.A.

PERSONAL PROTECTIVE EQUIPMENT

- **EYES:** Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses should not be worn.
- **SKIN:** Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. This equipment should be cleaned thoroughly after each use.
- **RESPIRATORY PROTECTION:** No occupational exposure standards have been developed for this material. Where exposure through inhalation may occur from use, NIOSH/MSHA approved respiratory protection is recommended.

SECTION 9 ϟ PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (760 MM HG): 131°F	**PERCENT VOLATILE BY VOLUME:** 100%
SPECIFIC GRAVITY (H_2O = 1): 0.74 @ 68°F	**VISCOSITY UNITS, TEMP:** No Data
FREEZING POINT: -164°F	**VAPOR DENSITY (AIR =1):** 3.1
VAPOR PRESSURE AT 68°F: 75 mm Hg	**SOLUBILITY IN WATER:** Approximately 4% to 5%
APPEARANCE AND ODOR: Clear, colorless liquid with ether-like odor.	

SECTION 10 ⌑ STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: High temperature, open flame or spark.

OTHER PHYSICAL AND CHEMICAL PROPERTIES: No Data

MATERIALS TO AVOID: Strong oxidizing agents, ungrounded electrical equipment, open flames and spark.

HAZARDOUS POLYMERIZATION: Not Expected to Occur

SECTION 11 ❀ TOXICOLOGICAL INFORMATION

METHYL TERT BUTYL ETHER (MTBE)

Acute symptoms associated with human exposure to MTBE appear to be mild and transient. Breathing small amounts of MTBE for short periods may cause nose and throat irritation. In laboratory studies, rodents exposed to high doses of MTBE exhibited blood chemistry changes and liver and kidney abnormalities.

TOXICITY

Type Of Dose	Specie	Result	Type Of Dose	Specie	Result	Type Of Dose	Specie	Result
$LD_{50(oral)}$	Mouse	3,500 mg/kg	$LC_{50(inh)}$	Mouse	35,000 ppm	$LD_{LO(oral)}$	Human	No Data Available

CARCINOGENICITY

IARC	Sufficient evidence in animals	Inadequate evidence in humans	Group 3: Possible human carcinogen
NTP	Not identified as a Know Carcinogen or Anticipated Human Carcinogen		

California (Prop 65): Listed as carcinogen	NIOSH: Not Listed	ACGIH: A3 – Confirmed Animal	OSHA: not classifiable as a human carcinogen

MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS

In laboratory studies, MTBE vapor exposure at the high dose concentration was associated with an increased incidence of liver tumors in female mice. Also, at high dose concentration exposures, MTBE was associated with an increased incidence of kidney and testicular (Leydig cell) tumors in male rats. There is no evidence that MTBE causes cancer in humans.

SECTION 12 ❋ ECOLOGICAL INFORMATION

ACUTE EFFECTS: MTBE is considered moderately toxicity to aquatic life. Insufficient data are available to evaluate or predict the short-term effects to birds or land animals.

CHRONIC EFFECTS: MTBE is considered moderately toxicity to aquatic life. Insufficient data are available to evaluate or predict the long-term effects to birds or land animals.

DISTRIBUTION AND PERSISTENCE IN THE ENVIRONMENT: MTBE evaporates when exposed to air. It dissolves when mixed with water. Most direct releases of MTBE to the environment are to air. MTBE also evaporates from water and soil exposed to air. Once in air, it is expected to break down to other chemicals. Because it is a liquid that does not bind well to soil, MTBE that makes its way into the ground can move through the ground and enter groundwater. Plants and animals are not likely to store methyl tertiary-butyl ether..

SECTION 13 ✣ DISPOSAL CONSIDERATIONS

Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to low flash point. Use registered transporters. Dilute aqueous waste may biodegrade.

SECTION 14 ★ TRANSPORTATION INFORMATION

Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations

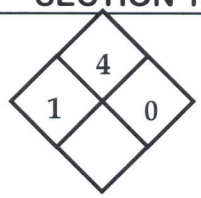
Agency	Shipping Name	Packing Group	Hazard Class	UN/NA #
U.S. DOT	Methyl tert-butyl ether	II	Flammable Liquid	UN 2398

SECTION 15 ☽ REGULATORY INFORMATION

CERCLA RQ's (40 CFR Part 302)	MTBE - 1,000 pounds
RCRA	Not Listed
SARA (40 CFR Part 355) TPQ's	None of the ingredients are listed
SARA Title III Section 313	All ingredients listed
California's Prop 65	All ingredients listed
OSHA	All ingredients are listed as hazardous under 29 CFR 1910.1200

SECTION 16 ❁ OTHER INFORMATION

NFPA 704 LABEL:



HMIS LABEL

1-4-0

MSDS REVISIONS: Change in Format and update of Information

MSDS CREATION DATE: July 1997 | **REVISION #1:** 01/03/06

DISCLAIMER

The information in this MSDS was obtained from sources which we believe are reliable. **HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS ACCURACY.** Some conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. **FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.** All product measurements such as flash point, *etc.* are considered approximate values. All data provided by Explorer Pipeline Company.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, such as refined petroleum hydrocarbon mixtures, this MSDS information may not be applicable.

MSDS DEVELOPER: Cass Willard

Cass Willard, CIH

DATE: 01/03/06

MATERIAL SAFETY DATA SHEET FOR LEAD

SECTION 1 – MATERIAL IDENTIFICATION

Material Name: **Lead**

Description: Bluish-Grey metal, apparently odorless

Other Designations: Soft lead, Hard Lead, Calcium lead.

Manufacturer: Mars Metal Company,
4130 Morris Drive,
Burlington, Ontario
L7L 5L6

Emergency Phone Number: (905) 637-3862

SECTION II – HAZARDOUS INGREDIENTS EXPOSURE GUIDELINES

Base Metal: Lead – C.A.S. #7439-9201/Exposure Limits: 1.05 Mg/M3 ACGIH TWA
Alloys: Sb, Sn, As, Cu, Ca – Antimony C.A.S. #7440-36-0/
Exposure Limits: 0.50 Mg/M3 ALGIH TWA

SECTION III – PHYSCIAL DATA:

Boiling Point: 3164 degrees Fahrenheit
Melting Point: 622 degrees Fahrenheit
Specific Gravity: (H o = 1) Approximately 10.3
Vapour Pressure: (MM HG) N.A.
Solubility in Water: Negligible

SECTION IV – FIRE AND EXPLOSION DATA

Hazards: Toxic fumes and vapours are produced by molten lead.
Dust explosion potential exists

Extinguishing Media: Dry chemical or carbon dioxide should be used on surrounding Area.

Firefighting Procedures: Full body protective clothing should be worn and positive pressure breathing apparatus used.

Flammability: Metal is not flammable, powders or dust may be flammable.

SECTION V – REACTIVITY DATA

Chemical Stability: Metal is stable.

Incompatibility: Strong oxidizers, Hydrogen Peroxide, Active metals.

Hazardous Decomposition Products: High temperature may produce hazardous fumes.

SECTION VI – HEATH HAZARD DATA AND FIRST AID

Threshold Limit Value: Time weighed average exposure 0.15 MG/M3. Short term Exposure 0.30 MG/M3.

Routes of Exposure: Ingestion, Inhalation, and Eyes.

EFFECTS OF EXPOSURE:

Acute Overexposure: May cause weakness, vomiting, loss of appetite and Constipation.

Chronic Exposure: May cause weakness, Insomnia, Hypertension, Anemia, Neuromuscular dysfunction's and joint paint.

EMERGENCY AND FIRST AID PROCEDURES:

Ingestion: Rinse mouth, give plenty of water, get medical attention.

Inhalation: Remove from exposure to fresh air, get medical attention.

Eyes: Rinse thoroughly with water, get medical attention.

Skin: Remove contaminated clothing and wash effected area with water and soap.

SECTION VII – SPILL AND LEAK PROCEDURES:

Released or Spilled: Sweep up carefully using water (or other suitable wetting agent) to
prevent emissions, place waste in sealable containers which are
to be disposed of in accordance with local legislation.

Waste Disposal Method: Contact local authorities for instructions on proper disposal procedures in your area.

SECTION VIII – SPECIAL PROTECTION INFORMATION:

Respiratory: Use respirators as per the regulations respecting Lead.

Eye Protection: Face shield/approved safety glasses.

Hands: Protective gloves should be worn when handling Lead.

Other Protective Equipment: Clean overalls, safety boots, and helmets.

Local Exhaust: Adequate local and general ventilation must be provided.

SECTION IX – SPECIAL PRECAUTIONS:

Handling and Storage: Lead dust should be handled in sealed containers. Every effort should be made to prevent dusts from becoming airborne.

Other Precautions: Use wet methods for dust control whenever possible. Ensure that there is sufficient ventilation in areas of lead use.

January 2008

MATERIAL SAFETY DATA SHEET

(POLYCHLORINATED BIPHENYLS)

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name: polychlorinated biphenyls (PCBs)

HAZARD IDENTIFICATION

Reports of Carcinogenicity: YES

HEALTH HAZARDS ACUTE AND CHRONIC

- **Eyes**: Moderately irritating to eye tissues.
- **Skin**: Can be absorbed through intact skin, may cause de-fatting, potential for chloracne.
- **Inhalation**: Possible liver injury.
- **Ingestion**: Slightly toxic; reasonably anticipated to be carcinogenic.

EFFECTS OF OVER-EXPOSURE

Can cause dermatological symptoms; however, these are reversible upon removal of exposure source.

FIRST AID MEASURES

- **Eyes**: Irrigate immediately with copious quantities of running water for at least 15 minutes if liquid or solid PCBs get into them.
- **Skin:** Contaminated clothing should be removed and the skin washed thoroughly with soap and water. Hot PCBs may cause thermal burns.
- **Inhalation**: Remove to fresh air; if skin rash or respiratory irritation persists, consult a physician (if electrical equipment arcs over, PCBs may decompose to produce hydrochloric acid).
- **Ingestion**: Consult a physician. Do not induce vomiting or give any oily laxatives. (If large amounts are ingested, gastric lavage is suggested).

FIRE FIGHTING MEASURES: Flash Point: >141 ^{o}C (285.8 ^{o}F)

EXTINGUISHING MEDIA: PCBs are fire-resistant compounds.

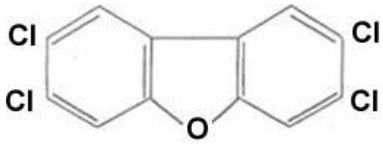
FIRE-FIGHTING PROCEDURES

Standard fire-fighting wearing apparel and self-contained breathing apparatus should be worn when fighting fires that involve possible exposure to chemical combustion products. Fire fighting equipment should be thoroughly cleaned and decontaminated after use.

UNUSUAL FIRE/EXPLOSION HAZARD

If a PCB transformer is involved in a fire-related incident, the owner of the transformer is required to report the incident. Consult and follow appropriate federal, provincial and local regulations.

***Note**: When askarel liquid becomes involved in a fire, toxic by-products of combustion are typically produced including polychlorinated dibenzofurans and polychlorinated dibenzodioxins, both known carcinogens. The structures of these chemical species are as follows:*

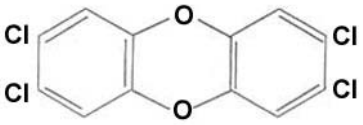


$C_{12}H_{8-n}Cl_nO$

n = 4 - 8

TCDF

2,3,7,8-tetrachlorodibenzofuran



$C_{12}H_{8-n}Cl_nO_2$

n = 4 - 8

TCDD

2,3,7,8-tetrachloro-dibenzo-p-dioxin

***Note**: 2,3,7,8-tetrachloro-dibenzo-p-dioxin is one of the most potent teratogenic, mutagenic and carcinogenic agents known to man.*

SPILL RELEASE PROCEDURES

Cleanup & disposal of liquid PCBs are strictly regulated by the federal government. Ventilate area. Contain spill/leak. Remove spill by means of absorptive material. Spill clean-up personnel should use proper protective clothing. All wastes and residues containing PCBs should be collected, containerized, marked and disposed of in the manner prescribed by applicable federal, provincial and local laws.

HANDLING AND STORAGE PRECAUTIONS

Care should be taken to prevent entry into the environment through spills, leakage, use, vaporization, or disposal of liquid. Avoid prolonged breathing of vapours or mists. Avoid contact with eyes or prolonged contact with skin. Comply with all federal, provincial and local regulations.

OTHER PRECAUTIONS

Federal regulations require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be appropriately labelled.

RESPIRATORY PROTECTION

Use OHSA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical splash goggles. The respirator use limitations specified by the manufacturer must be observed.

VENTILATION

Provide natural or mechanical ventilation to control exposure levels below airborne exposure levels.

PROTECTIVE GLOVES: Wear appropriate chemical resistant gloves to prevent skin contact.

EYE PROTECTION: Wear chemical splash goggles and have eye baths available.

OTHER PROTECTIVE EQUIPMENT

Wear appropriate protective clothing. Provide a safety shower at any location where skin contact can occur.

WORK HYGIENIC PRACTICES

Wash thoroughly after handling. Supplemental safety and health : none

PHYSICAL/CHEMICAL PROPERTIES

- **Vapour pressure:** (mm Hg @100 ^{o}F) 0.005 - 0.00006
- **Viscosity:** (CENTISTOKES) 3.6 - 540
- **Stability indicator/materials to avoid:** Yes
- **Stability Condition to Avoid:** PCBs are very stable, fire-resistant compounds.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, hydrogen chloride, phenolics, aldehydes, furans, dioxins

WASTE DISPOSAL METHODS

Consult the applicable PCB regulations prior to any disposal of PCBs or PCB-contaminated items.

Material Safety Data Sheet

MSDS ID NO.: 0255MAR019
Revision date: 09/12/2005

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name: Marathon 325 Extract
Synonyms: SB-AE Binder; 325 Aromatic Extract; Heavy Paraffinic Solvent Extract
Chemical Family: Aromatic Extract
Formula: Mixture

Manufacturer:
Marathon Petroleum Company LLC
539 South Main Street
Findlay OH 45840

Other information: 419-421-3070
Emergency telephone number: 877-627-5463

2. COMPOSITION / INFORMATION ON INGREDIENTS

325 Extract is a complex mixture of hydrocarbons obtained as the extract from a solvent extraction process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20-C50. The CAS description of this stream states that it is likely to contain >5% 4 to 6-membered condensed ring polycyclic aromatic hydrocarbons.

This product was analyzed by MAP and found to contain <0.05% of the 22 3-7 ring polycyclic aromatic compounds identified as Persistent Bioaccumulative Toxic (PBT) Chemicals subject to reporting under EPA EPCRA Section 313 regulations.

Product information

Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
Marathon 325 Extract	64742-04-7	100			

Component Information

Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
Extracts, Petroleum Heavy Paraffinic Distillate Solvent	64742-04-7	100.0000			
Sulfur Compounds	Mixture	0.5-4			

Notes: The manufacturer has voluntarily elected to reflect exposure limits contained in OSHA's 1989 air contaminants standard in its MSDS's, even though certain of those exposure limits were vacated in 1992.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

THIS PRODUCT IS A BROWN TO BLACK VISCOUS COLORED LIQUID. CONTAINS POLYNUCLEAR AROMATIC HYDROCARBONS SOME OF WHICH HAVE PRODUCED CANCER IN LABORATORY ANIMALS AND HUMANS. REPEATED SKIN CONTACT TO SOME COMPONENTS OF THIS PRODUCT HAVE PRODUCED SYSTEMIC TOXICITY (INCLUDING LIVER DAMAGE) IN LABORATORY ANIMALS. VAPORS CAN PRODUCE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION. THIS PRODUCT IS NOT A COMBUSTIBLE LIQUID PER THE OSHA HAZARD COMMUNICATION STANDARD, BUT WILL IGNITE AND BURN AT TEMPERATURES EXCEEDING THE FLASH POINT.

OSHA WARNING LABEL:

DANGER!
CONTAINS POLYNUCLEAR AROMATIC HYDROCARBONS SOME OF WHICH HAVE PRODUCED CANCER IN LABORATORY ANIMALS AND HUMANS.
REPEATED SKIN CONTACT TO SOME COMPONENTS IN THIS PRODUCT HAS PRODUCED SYSTEMIC TOXICITY (INCLUDING LIVER DAMAGE) IN LABORATORY ANIMALS.

CONSUMER WARNING LABEL:

A CONSUMER WARNING LABEL IS NOT APPLICABLE FOR THIS PRODUCT.

Inhalation: Exposure to vapor or mist may cause pulmonary irritation, dizziness, nausea and loss of consciousness.

Ingestion: Product is presumed to be slightly toxic (single dose). Significant ingestion could result in liver damage.

Skin contact: Prolonged and repeated liquid contact can cause dermatitis, folliculitis or oil acne. Components of this product may cause skin sensitization. Components of this product can cause liver damage if absorbed through the skin.

Eye contact: Liquid or vapor contact may result in slight eye irritation.

Carcinogenic Evaluation:

Product information

Name	IARC Carcinogens:	NTP Carcinogens:	ACGIH - Carcinogens:	OSHA - Select Carcinogens:
Marathon 325 Extract 64742-04-7	NE			

Notes: The International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence for the carcinogenicity of untreated vacuum distillates, acid-treated oils, and aromatic oils, including extracts from solvent treatment of distillates and the high boiling fraction of catalytically cracked oils in animals.

Component Information

Notes: The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) have concluded that certain polycyclic aromatic hydrocarbons, i.e. (benzo(a)pyrene, benz(a)anthracene, benzo(a)phenanthrene, indeno(1,2,3-cd)pyrene, benzo(j)fluoranthene, benzo(j,k,fluorine, benzo(g,h,i)perylene, and 5-methylchrysene are probably carcinogenic to humans (Group 2A and B).

4. FIRST AID MEASURES

Inhalation: If affected, move person to fresh air. If breathing is difficult, administer oxygen. If not breathing or if no heartbeat, give artificial respiration or cardiopulmonary resuscitation (CPR). Immediately call a physician. If symptoms or irritation occur with any exposure, call a physician.

Skin contact: Wash with soap and large amounts of water. Remove contaminated clothing. If symptoms or irritation occur, call a physician.

Ingestion: Ingestion not likely. If swallowed, do not induce vomiting and do not give liquids. Immediately call a physician.

Eye contact: Flush eyes with large amounts of tepid water for at least 15 minutes. If symptoms or irritation occur, call a physician.

Medical conditions aggravated by exposure: Preexisting skin conditions, respiratory disorders, and impaired liver function may be aggravated by exposure to components of this product.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: For small fires, Class B fire extinguishing media such as CO2, dry chemical, foam (AFFF/ATC) or water spray can be used. For large fires, water spray, fog or foam (AFFT/ATC) can be used. Fire fighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.

Specific hazards: This product is not a combustible liquid per the OSHA Hazard Communication Standard, but will ignite and burn at temperatures exceeding the flash point.

Special protective equipment for firefighters: Avoid using straight water streams. Water spray and foam (AFFF/ATC) must be applied carefully to avoid frothing and from as far a distance as possible. Avoid excessive water spray application. Use water spray to cool exposed surfaces from as far a distance as possible. Keep run-off water out of sewers and water sources.

Flash point: 435 F; 224 C (Min)
Autoignition temperature: No data available.
Flammable limits in air - lower (%): No data available.
Flammable limits in air - upper (%): No data available.

NFPA rating:
Health: 2
Flammability: 1
Reactivity: 1
Other: -

HMIS classification:
Health: 2
Flammability: 1
Reactivity: 1
Special: *See Section 8 for guidance in selection of personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep public away. Isolate and evacuate area. Shut off source if safe to do so. Advise authorities and National Response Center (800-424-8802) if substance has entered a watercourse or sewer. Notify local health and pollution control agencies, if appropriate. Contain liquid with sand or soil. Recover and return product to source.

7. HANDLING AND STORAGE

Handling:

Comply with all applicable EPA, OSHA, NFPA and consistent state and local requirements. Use appropriate grounding and bonding practices. Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. Do not cut, drill, grind or weld on empty containers since they may contain explosive residues.

Avoid skin contact. Stay upwind and vent open hatches before unloading. Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap and water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Engineering measures: Local or general exhaust required in an enclosed area or when there is inadequate ventilation.

Respiratory protection: Not required under normal conditions and adequate ventilation. Use atmosphere supplying respirators in confined spaces or when vapors exceed permissible limits; otherwise, an organic vapor respirator with pre-filter for fumes can be used. Self-contained breathing apparatus should be used for fire fighting.

Skin and body protection: Impermeable gloves (e.g., nitrile, viton, tyvek/saranex 23) to prevent skin contact. Chemical resistant apron or other protective clothing to avoid skin contact.

Eye protection: Goggles and faceshield when handling hot material.

Hygiene measures: Use mechanical ventilation equipment that is explosion-proof.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Brown To Black Viscous Liquid
Physical state (Solid/Liquid/Gas):	Liquid
Substance type (Pure/Mixture):	Mixture
Color:	Brown to Black
Odor:	Aromatic Sweet
Molecular weight:	Not determined.
pH:	Neutral
Boiling point/range (5-95%):	642-1017 F
Melting point/range:	Not determined.
Decomposition temperature:	Not applicable.
Specific gravity:	1.0
Density:	8.3 lbs/gal
Bulk density:	No data available.
Vapor density:	No data available.
Vapor pressure:	Negligible
Evaporation rate:	No data available.
Solubility:	Not determined
Solubility in other solvents:	No data available.
Partition coefficient (n-octanol/water):	No data available.
VOC content(%):	No data available.
Viscosity:	453.4 cSt @ 40 C 16.4 cSt @ 100 C
Pour Point:	70 F

10. STABILITY AND REACTIVITY

Stability: The material is stable at 70 F, 760 mm pressure.

Polymerization: Will not occur.

Hazardous decomposition products: Combustion produces carbon monoxide, aldehydes, aromatic and other hydrocarbons.

Materials to avoid: Strong oxidizers such as nitrates, chlorates, peroxides.

Conditions to avoid: Sources of heat or ignition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Product information

Name	CAS Number	Inhalation:	Dermal:	Oral:
Marathon 325 Extract	64742-04-7	No data available	>2 mg/kg [Rabbit]	>5 gm/kg [Rat]

Lifetime skin painting studies with heavy distillate aromatic extracts (HDAE) have produced tumors following prolonged and repeated skin contact. HDAE was found to be positive in an Ames mutagenicity test. Repeated dermal application of HDAE (30 mg/kg/day for 13 weeks) resulted in anemia, liver degeneration and injury to bone marrow and lymphoid tissues. Treatment related mortality and body weight reduction was observed at 500 mg/kg. Repeated dermal application (125 mg/kg/day) of HDAE to pregnant rats during gestation produced maternal and fetal toxicity. Increased resorptions were observed at doses of 30 mg/kg/day and above.

Summary of health effect data on aromatic extracts:

This product contains >0.1% 3-7 ring polynuclear aromatic hydrocarbons (PAC's). Some 3-7 ring PACs have been shown to be carcinogenic in experiment animals. An increased risk of cancer has been observed in workers employed in the aluminum production, coal gasification, coal-tar pitch, coke production and iron and steel industries that had been occupationally exposed to polynuclear aromatic hydrocarbons (PAC). Since these kinds of PACs have been measured at high levels in air samples taken in these idustries, IARC has concluded that these PACs are probably carcinogenic to humans.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: If spilled, hot product and/or the coating action of the oil components could harm plant life.

The 96 hour TLM for WAF (water accommodated fraction) of an aromatic extract is >1000 mg/l in fish or algae. 21 day exposures of 1000 mg/l WAF of an aromatic extract to Daphnia did not affect survival nor reproduction.

13. DISPOSAL CONSIDERATIONS

Cleanup Considerations: This material as supplied and by itself, when discarded or disposed of, is not an EPA RCRA hazardous waste according to federal regulations. This material could become a hazardous waste if mixed or contaminated with a hazardous waste or other substance(s). It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations.

14. TRANSPORT INFORMATION

49 CFR 172.101:

DOT:

Transport Information: This material when transported via US commerce is NOT REGULATED by DOT regulations.

DOT reportable quantity (lbs): Not applicable.

TDG (Canada):
Regulated substances: Not applicable.

15. REGULATORY INFORMATION

Federal Regulatory Information:

US TSCA Chemical Inventory Section 8(b): This product and/or its components are listed on the TSCA Chemical Inventory.

OSHA Hazard Communication Standard: This product has been evaluated and determined to be hazardous as defined in OSHA's Hazard Communication Standard.

EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 302: This product contains the following component(s) that have been listed on EPA's Extremely Hazardous Substance (EHS) List:

Name	CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs
Extracts, Petroleum Heavy Paraffinic Distillate Solvent	NA
Sulfur Compounds	NA

SARA Section 304: This product contains the following component(s) identified either as an EHS or a CERCLA Hazardous substance which in case of a spill or release may be subject to SARA reporting requirements:

Name	CERCLA/SARA - Hazardous Substances and their Reportable Quantities
Extracts, Petroleum Heavy Paraffinic Distillate Solvent	NA
Sulfur Compounds	NA

SARA Section 311/312: The following EPA hazard categories apply to this product:

Acute Health Hazard
Chronic Health Hazard

SARA Section 313: This product contains the following component(s) that may be subject to reporting on the Toxic Release Inventory (TRI) From R:

Name	CERCLA/SARA 313 Emission reporting:
Extracts, Petroleum Heavy Paraffinic Distillate Solvent	None
Sulfur Compounds	None

State and Community Right-To-Know Regulations:
The following component(s) of this material are identified on the regulatory lists below:

Extracts, Petroleum Heavy Paraffinic Distillate Solvent

Louisiana Right-To-Know:	Not Listed
California Proposition 65:	Not Listed
New Jersey Right-To-Know:	Not Listed.
Pennsylvania Right-To-Know:	Not Listed.
Massachusetts Right-To Know:	Carcinogen; Extraordinarily hazardous
Florida substance List:	Not Listed.
Rhode Island Right-To-Know:	Not Listed

Michigan critical materials register list:	Not Listed.
Massachusetts Extraordinarily Hazardous Substances:	carcinogen; extraordinarily hazardous
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous Substances:	Not Listed
New Jersey - Special Hazardous Substances:	Not Listed
New Jersey - Environmental Hazardous Substances List:	Not Listed
Illinois - Toxic Air Contaminants	Not Listed
New York - Reporting of Releases Part 597 - List of Hazardous Substances:	Not Listed

Sulfur Compounds

Louisiana Right-To-Know:	Not Listed
California Proposition 65:	Not Listed
New Jersey Right-To-Know:	Not Listed.
Pennsylvania Right-To-Know:	Not Listed.
Massachusetts Right-To Know:	Not Listed.
Florida substance List:	Not Listed.
Rhode Island Right-To-Know:	Not Listed
Michigan critical materials register list:	Not Listed.
Massachusetts Extraordinarily Hazardous Substances:	Not Listed
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous Substances:	Not Listed
New Jersey - Special Hazardous Substances:	Not Listed
New Jersey - Environmental Hazardous Substances List:	Not Listed
Illinois - Toxic Air Contaminants	Not Listed
New York - Reporting of Releases Part 597 - List of Hazardous Substances:	Not Listed

Canadian Regulatory Information:

Canada DSL/NDSL Inventory: This product and/or its components are listed either on the Domestic Substances List (DSL) or the Non Domestic Substance List (NDSL).

16. OTHER INFORMATION

Additional Information: No data available.

Prepared by: Craig M. Parker Manager, Toxicology And Product Safety

The information and recommendations contained herein are based upon tests believed to be reliable. However, Marathon Petroleum Company LLC (MPC) does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage maybe required. MPC assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet

MATERIAL SAFETY DATA SHEET — MALATHION ULV® CONCENTRATE INSECTICIDE

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

Loveland Products, Inc.
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-800-301-7976
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: MALATHION ULV® CONCENTRATE INSECTICIDE
CHEMICAL NAME: Malathion; (0-0-Dimethyl phosphorodithioate of diethyl mercaptosuccinate)
CHEMICAL FAMILY: Organophosphate Insecticide
EPA REG. NO.: 34704-565
MSDS Number: 000565-04b-LPI **MSDS Revisions:** See section 16 **Date Of Issue:** 07/08/04 **Supersedes:** 01/08/04

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. Do not contaminate feed or foodstuffs.

This product is clear yellow-amber colored liquid with a mild petroleum odor.
Warning Statements:

NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote. Symptoms of cholinesterase inhibition include salivation, gastrointestinal hypermotility, abdominal cramping, nausea, diarrhea, sweating, miosis, tearing, blurred vision, headache, dizziness, ataxia, bradycardia, dyspnea, cyanosis, and muscle twitching or tremors. In extreme cases, tetany, mental confusion, incontinence, weakness, collapse, paralysis, convulsive seizures, and even death, can occur.

3. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients:	Percentage by Weight:	CAS No.	TLV (Units)
Malathion	96.50	121-75-5	15 mg/m^3 (skin)
Inert Ingredients	3.50		

This product is hazardous according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

4. FIRST AID MEASURES

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to mouth, if possible. Call a poison control center or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: **1-800-301-7976.** Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): 325.4°F/163°C (PMCC)
FLAMMABLE LIMITS (LFL & UFL): None established
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition products include dimethyl sulfide, sulfur dioxide, carbon monoxide, carbon dioxide, and phosphorus pentoxide.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with full protective clothing. Fight fire from upwind and keep all non-essential personnel out of area. Avoid heavy hose streams.
UNUSUAL FIRE AND EXPLOSION HAZARDS: If water is used to fight fire or cool containers, contain runoff by diking to prevent contamination of water supplies. Containers in fire may burst or explode from excessive heat. Stay well back from fire area.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
For small spills, absorb with an absorbent material such as pet litter. Sweep up and transfer to containers for possible land application according to label use or for proper disposal. Check local, state and federal regulations for proper disposal. Flush the area with water to remove any residue.
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE: Store in a safe manner. Store in original container only. Keep container tightly closed when not in use. Store at temperatures not exceeding 77°F/25°C. Do not use or store near heat or open flame. Do not contaminate water, food or feed by storage or disposal.

Personal Protective Equipment: Applicators and other handlers must wear: long sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or Viton® and shoes plus socks. Follow manufacturer's instructions for cleaning and maintaining PPE. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

RESPIRATORY PROTECTION: Not normally required, if vapors or mists exceed acceptable levels, wear a NIOSH approved pesticide respirator.

EYE PROTECTION: Chemical goggles or shielded safety glasses.

SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wear chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Malathion	15 mg/m^3 (Skin) - 1 mg/m^3 (Inhalable fraction of aerosol); BEI*	

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear yellow-amber colored liquid with a mild petroleum odor.

SPECIFIC GRAVITY (Water = 1): 1.231 g/ml

BULK DENSITY: 10.27 lbs/gal.

SOLUBILITY: Emulsifies

pH: 3.7-3.8 (50% solution)

VAPOR PRESSURE: 3.4 x 10^{-6} mm/Hg @ 25°C

BOILING POINT: >300°F/>148.9°C

PERCENT VOLATILE (by volume): Not established

EVAPORATION RATE: Not established

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat.

INCOMPATIBILITY: Strong alkalis, amines, and strong oxidizing compounds. Can corrode iron, steel, tin plate, lead and copper. Rapidly hydrolyzed at pH >7.0 or <5.0.

HAZARDOUS DECOMPOSITION PRODUCTS: Dimethyl sulfide, sulfur dioxide, carbon monoxide, carbon dioxide, and phosphorus pentoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD_{50} (rat): 5500 mg/kg

Acute Dermal LD_{50} (rabbit): > 2000 mg/kg

Eye Irritation (rabbit): Slight irritation

Skin Irritation (rabbit): Slight irritation

Inhalation LC_{50} (rat): >5.2 mg/L (4 hr)

Skin Sensitization (Guinea Pig): Not a sensitizer

Carcinogenic Potential: Not listed by NTP, ACGIH, OSHA, or NIOSH as a carcinogen.

12. ECOLOGICAL INFORMATION

Malathion is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water by cleaning equipment or disposal of wash waters. Highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

13. DISPOSAL CONSIDERATIONS

Do not reuse empty container. **Metal:** Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by local, state and federal regulations. **Plastic:** Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to http://www.acrecycle.org/ for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill, or, incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: LESS THAN 10.2 GALLONS NOT REGULATED BY USDOT.

DOT Shipping Description: RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, UN3082, III (MALATHION) MARINE POLLUTANT ERG GUIDE 171

U.S. Surface Freight Classification: INSECTICIDES, INSECT REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120, CLASS: 60)

Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA			HMIS	
2	Health	0 Least	2	Health
1	Flammability	1 Slight	1	Flammability
0	Instability	2 Moderate	0	Reactivity
		3 High	H	PPE
		4 Severe		

SARA Hazard Notification/Reporting
SARA Title III Hazard Category:

Immediate	Y	Fire	N	Sudden Release of Pressure	N
Delayed	Y	Reactive	N		

Reportable Quantity (RQ) under U.S. CERCLA: Malathion (CAS: 121-75-5): 100 pounds
SARA, Title III, Section 313: Malathion (CAS: 121-75-5) 96.5%
RCRA Waste Code: Not listed
CA Proposition 65: Not listed

16. OTHER INFORMATION

MSDS STATUS: Format modified to address changes in ANSI Standard Z400.1-2004

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

®Viton is a registered trademark of DUPONT DOW ELASTOMERS L.L.C.

**ACGIH® has recommended a Biological Exposure Index for this substance: Acetylcholinesterase Inhibiting Pesticides*

®ACGIH is a registered trademark of American Conference of Governmental Industrial Hygienists

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct, Loveland Products, Inc., the manufacturer or the seller makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use.

The product covered by this information sheet is furnished "as is" by Loveland Products, Inc., the manufacturer or the seller, and is subject only to the warranties, if any, that appear on the product's label or are otherwise expressly provided herein.

Except as expressly provided on the product's label or otherwise provided herein, no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, are made by Loveland Products, Inc., the manufacturer or the seller with regard to the product or use of the product, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage.

Except as expressly stated herein, Loveland Products, Inc., the manufacturer or the seller makes no warranty of results to be obtained by use of the product covered by this information. Buyer's or user's exclusive remedy, and the total liability of Loveland Products, Inc., the manufacturer or the seller, shall be limited to damages not exceeding the cost of the product. No agent or employee of Loveland Products, Inc., the manufacturer or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a representation or recommendation different from or inconsistent with the label of this product.

IN NO EVENT SHALL LOVELAND PRODUCTS, INC., THE MANUFACTURER OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES AND THE BUYER AND USER WAIVE ANY RIGHT THEY MAY HAVE TO SUCH DAMAGES.

MATERIAL SAFETY DATA SHEET

UNITED MINERAL & CHEMICAL CORPORATION
1100 VALLEY BROOK AVENUE
LYNDHURST, NJ 07071
TEL: 201-507-3300 FAX: 201-507-1506

FOR EMERGENCY CALL:
C H E M T R E C
1-800-424-9300

SECTION A - PRODUCT INFORMATION

TRADE NAME : ARSENIC METAL:
MBE CHARGES, ARSENIC CHUNK & GRANULE

REVISION DATE : NOVEMBER 16, 2007

CAS NUMBER : 7440-38-2
SYNONYMS : METALLIC ARSENIC; GREY ARSENIC; ARSENIA
CHEMICAL FAMILY : METALS - GROUP 5a
FORMULA : As

SECTION B - HAZARDOUS COMPONENTS

COMPONENT	CAS NO.	%	PEL/TLV
ARSENIC METAL (As)	7440-38-2	100	0.01mg/m^3 ACGIH TWA AS As 0.01mg/m^3 OSHA TWA, INORGANIC COMPOUNDS AS As (SEE 29 CFR 1910.1018) 0.5 mg/m^3 OSHA TWA, ORGANIC COMPOUNDS AS As 0.002 mg/m^3/15 min. CEILING-NIOSH, INORGANIC CMPD. 5 mg As/m^3 IDLH-CARCINOGEN, INORGANIC COMPOUNDS

TWA – Time Weighted Average over 8 hours
IDLH - Immediately dangerous to life & health

See the OSHA Inorganic Arsenic Standard at 29 CFR 1910.1018 before processing.

SECTION C - PHYSICAL PROPERTIES

BOILING POINT (°C) : SUBLIMES @ 615
MELTING POINT (°C) : 817 @ 3.6477 Mpa
VAPOR PRESSURE (mm Hg) : 1mm @ 372ºC
VAPOR DENSITY (AIR=1) : N/A
SOLUBILITY IN WATER : INSOLUBLE
ODOR THRESHOLD : N/A
APPEARANCE & ODOR : SILVER GRAY CRYSTALLINE CHUNKS, RODS, OR GRANULES; NO ODOR AS METAL AS COMPOUND, AsH_3 HAS GARLIC ODOR

SPECIFIC GRAVITY : 5.72
FREEZING POINT (°) : N/A
PERCENT VOLATILE (BY WT.) : N/A
EVAPORATION RATE : N/A
pH (0 % IN WATER) : NONE

SECTION D - FIRE & EXPLOSION DATA

FLASH POINT (°) : NONE

FLAMMABLE LIMITS : **LEL** : **(N/A)** **UEL : (N/A)** **AUTO IGNITION TEMP (° F)**: **(UNKNOWN)**
EXTINGUISHING MEDIA : **WATER** : **()** **FOAM** : **(X)** **CO_2**: **(X)** **DRY CHEMICAL**: **(X)**

SPECIAL FIRE FIGHTING PROCEDURES : ARSENIC IN MASS FORM IS NON-FLAMMABLE. IN THE EVENT OF A FIRE, RESTRICT PERSONS NOT WEARING PROTECTIVE EQUIPMENT FROM AREA. TRY TO SNUFF FIRE WITH SAND, DRY MEDIA, FOAM OR CO_2. IF NO OTHER OPTIONS AVAILABLE, USE WATER & ALWAYS WEAR SELF CONTAINED BREATHING APPARATUS OR NIOSH TOXIC VAPOR RESPIRATOR. POISONOUS GASES ARE PRODUCED IN FIRE, INCLUDING ARSENIC OXIDES.

UNUSUAL FIRE & EXPLOSION HAZARDS : ARSENIC, WHEN HEATED OR IN CONTACT WITH ACID OR ACID FUMES, CAN PRODUCE HIGHLY TOXIC FUMES (SUCH AS ARSINE). ARSENIC REACTS VIGOROUSLY WITH OXIDIZING MATERIALS. ARSENIC IS FLAMMABLE IN THE FORM OF DUST WHEN EXPOSED TO HEAT OR FLAME OR BY CHEMICAL REACTION WITH POWERFUL OXIDIZERS (SEE SECTION E). SLIGHT EXPLOSION HAZARD EXISTS IN THE FORM OF DUST WHEN EXPOSED TO FLAME. IN THE EVENT OF A FIRE OR SPILL, CONTACT THE STATE DEPT. OF THE ENVIRONMENT & YOUR REGIONAL OFFICE OF THE FEDERAL ENVIRONMENTAL PROTECTION AGENCY.

SECTION E - REACTIVITY DATA

STABILITY : STABLE
INCOMPATIBILITY : HYDROGEN GAS CAN REACT WITH INORGANIC ARSENIC TO FORM THE HIGHLY TOXIC GAS ARSINE. INCOMPATIBLE WITH BROMINE AZIDE, DIRUBIDIUM ACETYLIDE, HALOGENS, PALLADIUM ZINC, PLATINUM, NCl_3, $AgNO_3$, CrO_3, Na_2O_2, HEXAFLUOROISOPROPYLIDENEAMINO LITHIUM. CAN REACT WITH ACIDS OR ACID FUMES AND POWERFUL OXIDIZERS SUCH AS BROMATES, CHLORATES, IODATES, PEROXIDES, LITHIUM, $NaCl_3$, KNO_3, $KMnO_3$, Rb_2C_2, $AgNO_4$, NOCl, IF_5, CrO_3, ClF_3, ClO, BrF_3, BrF_5, BrN_3, RbC_3BCH, CsC_3BCH.
HAZARDOUS DECOMPOSITION PRODUCTS : ARSENIC FUMES, ARSINE, OTHER ARSENIC COMPOUNDS
HAZARDOUS POLYMERIZATION : WILL NOT OCCUR
CONDITIONS TO AVOID : AVOID OPEN CONTAINERS AND CONTACT WITH INCOMPATIBLE MATERIALS

N/A = NOT APPLICABLE

SECTION F - PERSONAL PROTECTIVE EQUIPMENT INFO

RESPIRATORY EQUIPMENT : FOR HANDLING ELEMENTAL ARSENIC IN CHUNK, ROD, OR GRANULES USE NIOSH APPROVED, AIR PURIFYING, TOXIC VAPOR RESPIRATOR FOR PARTICULATE & FUME/ AIR LEVEL. IF PROCESSING MATERIAL INTO INORGANIC ARSENIC COMPOUNDS, CHOOSE PROPER RESPIRATORY PROTECTION IN ACCORDANCE WITH THE OSHA INORGANIC ARSENIC STANDARD AT 29 CFR 1910.1018 (h). FOR UNKNOWN CONCENTRATIONS OF INORGANIC ARSENIC OR UNDER FIRE-FIGHTING CONDITIONS USE FULL FACEPIECE SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE.

PROTECTIVE GLOVES : NEOPRENE OR PLASTIC

EYE PROTECTION : FACE SHIELD OR VENTED GOGGLES FOR WHEN DUST/ FUME OR INORGANIC COMPOUNDS ARE GENERATED.

VENTILATION : LOCAL EXHAUST/MECHANICAL(GENERAL) SCRUBBER OR TRAP IF POSSIBLE TO MAINTAIN EXPOSURE TO LESS THAN PERMISSIBLE LIMITS FOR ELEMENTAL ARSENIC AND ANY COMPOUNDS BEING GENERATED (SEE SECTION B)

OTHER PROTECTIVE EQUIPMENT : LAB COAT, COVERALLS, COVERLETS FOR SHOES, AND ACCESS TO EYEWASH FOUNTAIN FOR DUST OR INORGANIC COMPOUND GENERATION

SECTION G - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE : 0.01mg/m^3 TWA ARSENIC, ELEMENTAL & INORGANIC COMPOUNDS(EXCEPT ARSINE), AS As

PRIMARY ROUTES OF EXPOSURE : INHALATION OF FUMES, DUST, REACTION GASES; INGESTION; SKIN CONTACT

ORAL LD_{50} : 763 mg/m^3 RAT; ORAL RAT TDLo 605 micrograms/kg – REPRODUCTIVE EFFECTS; ORAL-MAN TDLo 7857 mg/kg/55 year old – SKIN & GASTROINTESTINAL EFFECTS

DERMAL IRRITATION-RABBIT : UNKNOWN; SUBCUTANEOUS RABBIT LDLo: 300 mg/kg

EYE IRRITATION-RABBIT : UNKNOWN

OSHA PEL : 0.01mg/m^3 TWA INORGANIC COMPOUNDS AS As; 0.5 mg/m^3 TWA ORGANIC COMPOUNDS AS As.

ACGIH TLV : 0.01mg/m^3 TWA ELEMENTAL ARSENIC & INORGANIC COMPOUNDS (EXCEPT ARSINE), AS As

EFFECTS OF OVEREXPOSURE : ARSENIC METAL IS NOT AS READILY AVAILABLE IN THE BODY AS ARSENIC IN THE FORM OF DUST OR VAPOR OR WHEN PROCESSED INTO ARSENIC COMPOUNDS (ARSENICALS). INORGANIC ARSENICALS ARE MORE TOXIC THAN ORGANIC ARSENICALS.

ACUTE EFFECTS: ARSENIC IS A POISON BY SUBCUTANEOUS, INTRAMUSCULAR, AND INTRAPERITONEAL ROUTES. ACUTE ARSENIC POISONING FROM INGESTION RESULTS IN BURNING LIPS, THROAT CONSTRICTION, ABDOMINAL PAIN, MARKED IRRITATION OF THE STOMACH AND INTESTINES WITH NAUSEA, VOMITING, AND DIARRHEA. IN SEVERE CASES THE STOOLS AND VOMIT ARE BLOODY AND THE PATIENT MAY GO INTO COLLAPSE AND SHOCK WITH WEAK, RAPID PULSE, COLD SWEATS, COMA, AND DEATH. INHALATION MAY CAUSE ULCERATION OF NASAL SEPTUM, RESPIRATORY IRRITATION (COUGH, SORE THROAT), SHORTNESS OF BREATH AND WEAKNESS. SKIN OR EYE CONTACT MAY CAUSE DERMATITIS, SKIN AND EYE IRRITATION. AFTER ABSORPTION, ARSENIC MAY CAUSE MULTI-ORGAN FAILURE AS DELAYED EFFECTS. ARSENIC IS AN EXPERIMENTAL TERATOGEN (MAY CAUSE DAMAGE TO THE DEVELOPING FETUS) AND MAY CAUSE SPONTANEOUS ABORTION OR STILLBIRTH WITH EITHER ACUTE OR CHRONIC POISONING.

CHRONIC EFFECTS: ARSENIC IS A CONFIRMED HUMAN CARCINOGEN AND HAS BEEN ASSOCIATED WITH LUNG, BLADDER, SKIN, AND OTHER CANCERS IN HUMANS. CHRONIC ARSENIC POISONING MAY INCLUDE ANY OR ALL OF THE FOLLOWING: DIGESTIVE SYSTEM DISTURBANCES, LOSS OF APPETITE, CRAMPS, NAUSEA, CONSTIPATION, DIARRHEA; LIVER DAMAGE WHICH MAY RESULT IN JAUNDICE; DISTURBANCES OF THE BLOOD, KIDNEYS AND NERVOUS SYSTEM; SKIN ABNORMALITIES INCLUDING ITCHING, PIGMENTATION, AND POSSIBLE CANCEROUS CHANGES. ARSENIC HAS INDUCED DNA DAMAGE IN HUMAN CELLS.

TARGET ORGANS (NIOSH) : (FOR INORGANIC COMPOUNDS AS As): LIVER, KIDNEYS, SKIN, LUNGS, LYMPHATIC SYSTEM

KNOWN EFFECTS ON OTHER ILLNESSES : EXPECTED TO AGGRAVATE PRE-EXISTING GASTROINTESTINAL, NERVOUS SYSTEM, SKIN, LIVER & KIDNEY PROBLEMS.

LISTED CARCINOGEN : NONE **()** OSHA **(YES)** NTP **(YES)** IARC **(YES)** OTHER **(YES)**

SECTION H – EMERGENCY & FIRST AID DATA

SKIN : FLUSH WITH SOAP & WATER. AVOID RUBBING INTO THE SKIN. CONTACT PHYSICIAN IMMEDIATELY.

EYES : FLUSH WITH WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER EYELIDS. CONTACT PHYSICIAN IMMEDIATELY.

INHALATION : REMOVE TO FRESH AIR. PROVIDE OXYGEN IF NECESSARY. CONTACT PHYSICIAN IMMEDIATELY.

INGESTION : IMMEDIATELY CALL POISON CONTROL OR A PHYSICIAN. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY POISON CONTROL OR EMERGENCY MEDICAL PERSONNEL. TAKE TO HOSPITAL IMMEDIATELY.

MEDICAL NOTE: AGGRESSIVE DECONTAMINATION WITH GASTRIC LAVAGE IS RECOMMENDED. IF AN X-RAY INDICATES THE PRESENCE OF ARSENIC IN THE LOWER GI TRACT, WHOLE BOWEL IRRIGATION SHOULD BE CONSIDERED. ACTIVATED CHARCOAL MAY NOT BIND SIGNIFICANT AMOUNTS BUT IS RECOMMENDED UNTIL DEFINITIVE QUANTITATIVE DATA IS AVAILABLE. FLUID REPLETION SHOULD BEGIN AS SOON AS POSSIBLE.

SECTION I - SPILL & DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:

EVACUATE THE DANGER AREA. WEARING FULL PROTECTIVE EQUIPMENT (RESPIRATOR, GLOVES, GOGGLES, LAB COAT), GATHER UP CHUNKS, RODS, OR GRANULES WITH VACUUM OR UTENSILS RESERVED FOR POISONOUS SOLIDS AND PLACE IN SUITABLE CONTAINER AND SEAL. DO NOT RELEASE TO THE ENVIRONMENT. AVOID GENERATING DUST. VENTILATE THE AREA AFTER CLEANUP OF MATERIAL AND RESIDUE IS COMPLETE.

WASTE DISPOSAL INFORMATION:

SOLID WASTES SHOULD BE VITRIFIED, PLACED IN LABELED CONTAINER & BURIED IN AN EPA SUPERVISED FACILITY. ETCHING SOLUTIONS & CUTTING WASTES SHOULD BE PRECIPITATED, CEMENTED/VITRIFIED & PLACED IN METAL/PLASTIC LABELED CONTAINERS & BURIED IN EPA SUPERVISED FACILITY. PASS GAS THROUGH POTASSIUM PERMANGANATE, PRECIPITATE & TREAT AS ABOVE. WASTE MAY BE CONSIDERED HAZARDOUS DEPENDING ON LEVEL OF TOXICITY CHARACTERISTIC OF ARSENIC. SEE 40 CFR 261.24 FOR DETERMINATION.

RCRA HAZARDOUS WASTE : NO **()** YES **(**X)** **RCRA # : (****D004**)**

**** -** IF TESTED POSITIVE AS CHARACTERISTIC OF TOXICITY FOR ARSENIC

CERCLA : NO **()** YES **(X)** **RQ (**1 LB. RQ IS APPLICABLE ONLY IF THE DIAMETER OF THE PIECES OF THE SOLID METAL RELEASED IS LESS THAN 100 MICROMETERS OR 0.004 INCH. THIS PRODUCT FORM IS LARGER THAN 100 MICROMETERS AND HAS NO RQ IN ITS CURRENT FORM. IF AS HAZARDOUS WASTE CHARACTERISTIC OF ARSENIC, THEN RQ=1 LB.**)**

FOLLOW ALL LOCAL, STATE AND FEDERAL INFORMATION AND REGULATIONS

SECTION J - OTHER REGULATORY INFORMATION

TSCA: WE CERTIFY THAT ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE TOXIC SUBSTANCES CONTROL ACT.

SARA TITLE III, SECT. 313: **LISTED (X)** **UNLISTED ()**

DOT REGULATED: **YES: (**X**)** **NO: ()** **RQ: (**N/A - PIECES ARE LARGER THAN 100 MICROMETERS IN DIAMETER**)**

IF REGULATED, PROPER SHIPPING NAME: ARSENIC **HAZARD CLASS: (**6.1**)**

IDENTIFICATION NO.: (UN1558**)** **PACKING GROUP: (**II**)** **LABEL REQUIRED: (**POISON**)**

INLAND B/L: UN1558, ARSENIC, 6.1, PACKING GROUP II, POISON

EMERGENCY RESPONSE GUIDE NO.: (152**)**

SECTION K - SPECIAL PRECAUTIONS

FOR INDUSTRIAL USE ONLY

HANDLING & STORAGE INFORMATION:

PRIOR TO WORKING WITH ARSENIC, PERSONNEL SHOULD BE TRAINED IN PROPER HANDLING & STORAGE. STORE IN ORIGINAL PACKAGING IN COOL DRY AREA. WHEN HANDLING, WEAR FULL PROTECTIVE EQUIPMENT (SEE SECTION F). PLACE INTO INERT ATMOSPHERE IMMEDIATELY. IF PROCESSING INTO INORGANIC ARSENIC COMPOUNDS, FOLLOW THE OSHA STANDARD AT 29 CFR 1910.1018. DO NOT INGEST. DO NOT INHALE DUST OR ANY PROCESSING FUMES. AVOID SKIN AND EYE CONTACT.

NOTE: MAINTENANCE PERSONNEL OF PROCESSING AND EXTRACT EQUIPMENT MUST ALSO WEAR FULL PROTECTIVE EQUIPMENT (SEE SECTION F) AND OBSERVE THE REQUIREMENTS OF THE OSHA INORGANIC ARSENIC STANDARD (29 CFR 1910.1018) AS RESIDUES MAY CONTAIN ARSENIC PARTICLES AND VARYING COMPOUNDS OF ARSENIC.

OTHER PRECAUTIONS :

MINIMUM - HAVE QUARTERLY MEDICAL CHECKS INCLUDING URINE TESTS OF PERSONNEL WORKING WITH ARSENIC OR ARSENIC COMPOUNDS. DO NOT EAT, DRINK OR SMOKE IN THE WORK AREA.

IN ACCORDANCE WITH GOOD PRACTICES OF PERSONAL HYGIENE, HANDLE WITH DUE CARE AND AVOID ANY UNNECESSARY CONTACT WITH THIS PRODUCT.
THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATION. THE INFORMATION IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATA, THE HAZARD CONNECTED WITH USE OF THE MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, IS MADE. UNITED MINERAL AND CHEMICAL CORPORATION AND ITS SUPPLIERS ASSUME NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.
UNITED MINERAL & CHEMICAL CORPORATION

Appendix D
Soil Boring Geologic Logs

BORING LOG

Boring #: B-1 **PAGE # 1 0F 1**

DATE: 07/05/2012 **CLIENT: 128 Merrick Realty LLC**

SITE: 105-04 Flatlands Ave.
Brooklyn, NY

DRILLER: Zebra Environmental Corp. **DRILLING METHOD: Geoprobe™**

DEPTH DRILLED: 15 feet **DEPTH TO WATER: 9 feet**

GEOLOGIC LOG

DEPTH (ft) FROM	TO	RECOVERY (ft)	PID (ppm)	SAMPLE DESCRIPTION
0	5	1.7	0.0	Asphalt underlain by RCA, some concrete fragments, silty clay, medium brown silty sand, crushed brick, gravel, and rock (fill). Slight petroleum odor. Soil sample collected for laboratory analysis at 0 to 2 feet.
5	10	1.3	0.0	Brown fine grained sand, gravel, two-inches crushed rock underlain by black/gray moist silty clay. Slight petroleum odor. Soil sample collected for laboratory analysis at 5 to 8 feet.
10	15	3.0	95.3	Wet black/gray silty clay with fine gravel, weathered gasoline odor.

BORING LOG

Boring #: B-2 **PAGE # 1 0F 1**

DATE: 07/06/2012 **CLIENT: 128 Merrick Realty LLC**

SITE: 105-04 Flatlands Ave.
Brooklyn, NY

DRILLER: Zebra Environmental Corp. **DRILLING METHOD: Geoprobe™**

DEPTH DRILLED: 10 feet **DEPTH TO WATER: 9 feet**

GEOLOGIC LOG

DEPTH (ft) FROM	TO	RECOVERY (ft)	PID (ppm)	SAMPLE DESCRIPTION
0	5	3.2	0.0	Asphalt underlain by, dark brown silty sand, crushed rock and gravel. Slight petroleum odor. Soil sample collected for laboratory analysis at 0 to 2 feet.
5	10	2.1	26.9	Medium grained light brown silty sand, brown fine grained sand and fine gravel. Slight petroleum odor. Wet at 9 feet. Soil sample collected for laboratory analysis at 5 to 8 feet.

J.R. Holzmacher P.E., LLC 300 Wheeler Road, Suite 402, Hauppauge, New York 11788-4300
Tel: (631) 234-2220 Fax: (631) 234-2221 e-mail: info@holzmacher.com

BORING LOG

Boring #: B-3 **PAGE # 1 0F 1**

DATE: 07/06/2012 **CLIENT: 128 Merrick Realty LLC**
SITE: 105-04 Flatlands Ave.
Brooklyn, NY

DRILLER: Zebra Environmental Corp. **DRILLING METHOD: Geoprobe™**

DEPTH DRILLED: 10 feet **DEPTH TO WATER: 9 feet**

GEOLOGIC LOG

DEPTH (ft) FROM	TO	RECOVERY (ft)	PID (ppm)	SAMPLE DESCRIPTION
0	5	2.1	93.6	Asphalt underlain by, medium grained brown silty sand, crushed rock and crushed brick (fill). Petroleum odor. Soil sample collected for laboratory analysis at 0 to 2 feet.
5	10	1.7	0.0	Dark brown silty sand, fine grained sand, fine gravel and crushed rock. Slight odor. Wet at 9 feet. Soil sample collected for lab analysis at 5 to 8 feet.

BORING LOG

Boring #: B-4 **PAGE # 1 0F 1**

DATE: 07/06/2012 **CLIENT: 128 Merrick Realty LLC**
SITE: 105-04 Flatlands Ave.
Brooklyn, NY

DRILLER: Zebra Environmental Corp. **DRILLING METHOD: Geoprobe™**

DEPTH DRILLED: 10 feet **DEPTH TO WATER: 9 feet**

GEOLOGIC LOG

DEPTH (ft) FROM	TO	RECOVERY (ft)	PID (ppm)	SAMPLE DESCRIPTION
0	5	3.2	0.0	Concrete (slab) underlain by, reddish-brown silty sand, slate, crushed rock, and gravel. Soil sample collected for laboratory analysis at 0 to 2 feet.
5	10	2.3	0.0	Reddish-brown silty sand, coal, rock, gravel and crushed brick (fill). Soil sample collected for laboratory analysis at 5 to 8 feet.

J.R. Holzmacher P.E., LLC 300 Wheeler Road, Suite 402, Hauppauge, New York 11788-4300
Tel: (631) 234-2220 Fax: (631) 234-2221 e-mail: info@holzmacher.com

BORING LOG

Boring #: B-5 **PAGE # 1 0F 1**

DATE: 07/06/2012 **CLIENT: 128 Merrick Realty LLC**

SITE: 105-04 Flatlands Ave.
Brooklyn, NY

DRILLER: Zebra Environmental Corp. **DRILLING METHOD: Geoprobe™**

DEPTH DRILLED: 10 feet **DEPTH TO WATER: 9 feet**

GEOLOGIC LOG

DEPTH (ft) FROM	TO	RECOVERY (ft)	PID (ppm)	SAMPLE DESCRIPTION
0	5	1.2	0.0	Concrete (slab)underlain by reddish-brown silty sand, slate, crushed rock and gravel. Soil sample collected for laboratory analysis at 0 to 2 feet.
5	10	1.4	0.0	Reddish-brown silty sand, fine grained sand, coal, crushed rock, gravel, and crushed brick (fill). Wet at 9 feet Soil sample collected for laboratory analysis at 5 to 8 feet.

J.R. Holzmacher P.E., LLC 300 Wheeler Road, Suite 402, Hauppauge, New York 11788-4300
Tel: (631) 234-2220 Fax: (631) 234-2221 e-mail: info@holzmacher.com

BORING LOG

Boring #: B-6 (MW-1) PAGE # 1 0F 1

DATE: 07/05/2012

CLIENT: 128 Merrick Realty LLC

SITE: 105-04 Flatlands Ave.
Brooklyn, NY

GPS COORDINATES:
LATITUDE: 40.647470°
LONGITUDE: -73.89415°

DRILLER: Zebra Environmental Corp.

DRILLING METHOD: Geoprobe™

DEPTH DRILLED: 15 feet

DEPTH TO WATER: 9 feet

GEOLOGIC LOG

DEPTH (ft) FROM	TO	RECOVERY (ft)	PID (ppm)	SAMPLE DESCRIPTION
0	5	3.2	0.0	Fine to medium grained sand, roots, reddish brown silty sand, gravel, crushed rock, and crushed brick (fill). Soil sample collected for laboratory analysis at 0 to 2 feet.
5	10	2.8	0.0	Medium brown silty sand, large crushed rock, slate, coal, broken glass and gravel (fill). Wet at 9 feet Soil sample collected for lab analysis at 5 to 8 feet.
10	15	3.7	0.0	Wet medium grained brown/gray saturated sand with fine gravel.

BORING LOG

Boring #: B-7 (MW-2) PAGE # 1 0F 1

DATE: 07/05/2012

CLIENT: 128 Merrick Realty LLC

SITE: 105-04 Flatlands Ave.
Brooklyn, NY

GPS COORDINATES:
LATITUDE: 40.647466°
LONGITUDE: -73.89387°

DRILLER: Zebra Environmental Corp.

DRILLING METHOD: Geoprobe™

DEPTH DRILLED: 10 feet

DEPTH TO WATER: 9 feet

GEOLOGIC LOG

DEPTH (ft) FROM	TO	RECOVERY (ft)	PID (ppm)	SAMPLE DESCRIPTION
0	5	3.0	0.0	Brown medium grain silty sand, rock, gravel, slate, crushed rock, broken glass and crushed brick (fill). Soil sample collected for laboratory analysis at 0 to 2 feet.
5	10	2.9	0.0	Brown medium grained silty sand, crushed brick (fill), gravel, underlain by moist light brown fine grained sand with fine gravel. Wet at 9 feet. Soil sample collected for laboratory analysis at 5 to 8 feet.

BORING LOG

Boring #: B-8 (MW-3) PAGE # 1 0F 1

DATE: 07/06/2012

CLIENT: 128 Merrick Realty LLC

SITE: 105-04 Flatlands Ave.
Brooklyn, NY

GPS COORDINATES:
LATITUDE: 40.64771°
LONGITUDE: -73.89382°

DRILLER: Zebra Environmental Corp.

DRILLING METHOD: Geoprobe™

DEPTH DRILLED: 10 feet

DEPTH TO WATER: 9 feet

GEOLOGIC LOG

DEPTH (ft) FROM	TO	RECOVERY (ft)	PID (ppm)	SAMPLE DESCRIPTION
0	5	2.7	0.0	Asphalt, underlain by medium grained to dark brown silty sand, slate, gravel, crushed rock, crushed brick and crushed white ceramics (fill). Soil sample collected for laboratory analysis at 0 to 2 feet.
5	10	2.6	0.0	Medium grained brown silty sand, moist light brown fine sand, crushed rock, gravel, rotted wood, and broken glass (fill). Wet at 9 feet. Soil sample collected for laboratory analysis at 5 to 8 feet.

J.R. Holzmacher P.E., LLC 300 Wheeler Road, Suite 402, Hauppauge, New York 11788-4300
Tel: (631) 234-2220 Fax: (631) 234-2221 e-mail: info@holzmacher.com

Appendix E
Monitoring Well Sampling Logs

GROUNDWATER SAMPLING LOG
105-04 Flatlands Avenue
Brooklyn, New York

Well ID:	MW-1
Date:	7/23/12
Sampling Personnel:	AJS & DM
Weather:	Partly Cloudy 80°F

WELL INFORMATION

Well Depth (ft):	17.00
Water Level Depth (ft):	9.44
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft):	7.56
Volume of Water in Well (gal):	1.23
Total Volume Purged (gal):	6.0
Duration of Pumping (min):	8

EVACUATION INFORMATION

Pump On: 14:40 Pump Off: 14:48

Time: / *Parameter*	14:41	14:42	14:43	14:44				
DO (mg/L)	3.90	4.00	4.20	4.30				
Temperature (°C)	14.17	14.20	16.01	16.07				
pH	7.30	7.32	7.35	7.36				
Cond (umho's/cm)	1,250	1,270	1,280	1,260				
Turbidity (NTU)	246.0	310.0	251.0	247.0				

GROUNDWATER SAMPLING LOG
105-04 Flatlands Avenue
Brooklyn, New York

Well ID:	MW-2
Date:	7/23/12
Sampling Personnel:	AJS & DM
Weather:	Partly Cloudy 80°F

WELL INFORMATION

Well Depth (ft):	17.30
Water Level Depth (ft):	9.98
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft):	7.32
Volume of Water in Well (gal):	1.19
Total Volume Purged (gal):	6.0
Duration of Pumping (min):	8

EVACUATION INFORMATION

Pump On: 15:35 Pump Off: 15:43

Time: / *Parameter*	15:36	15:37	15:38	15:39				
DO (mg/L)	4.30	4.40	4.70	4.70				
Temperature (°C)	17,11	17.12	17.14	17.13				
pH	7.39	7.40	7.40	7.39				
Cond (umho's/cm)	1,200	1,210	1,220	1,220				
Turbidity (NTU)	190.0	211.0	197.0	190.0				

GROUNDWATER SAMPLING LOG
105-04 Flatlands Avenue
Brooklyn, New York

Well ID:	MW-3
Date:	7/23/12
Sampling Personnel:	AJS & DM
Weather:	Partly Cloudy 80°F

WELL INFORMATION

Well Depth (ft):	17.00
Water Level Depth (ft):	9.10
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft):	7.90
Volume of Water in Well (gal):	1.29
Total Volume Purged (gal):	7.0
Duration of Pumping (min):	9

EVACUATION INFORMATION

Pump On: 15:21

Pump Off: 15:30

Time: / *Parameter*	15:22	15:23	15:24	15:26				
DO (mg/L)	3.80	3.80	3.70	4.10				
Temperature (°C)	16.51	16.52	16.52	16.52				
pH	7.57	7.52	7.50	7.50				
Cond (umho's/cm)	656	660	662	665				
Turbidity (NTU)	211.0	170.0	110.0	107.0				

GROUNDWATER SAMPLING LOG
105-04 Flatlands Avenue
Brooklyn, New York

Well ID:	MW-4
Date:	7/23/12
Sampling Personnel:	AJS & DM
Weather:	Partly Cloudy 80°F

WELL INFORMATION

Well Depth (ft):	17.00
Water Level Depth (ft):	9.72
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft):	7.28
Volume of Water in Well (gal):	1.19
Total Volume Purged (gal):	6.0
Duration of Pumping (min):	8

EVACUATION INFORMATION

Pump On: 14:25

Pump Off: 14:33

Time: / *Parameter*	14:26	14:27	14:28	14:29				
DO (mg/L)	3.10	3.20	3.40	3.40				
Temperature (°C)	25.70	24.50	23.70	23.70				
pH	6.79	6.80	6.79	6.78				
Cond (umho's/cm)	1,220	1,210	1,210	1,220				
Turbidity (NTU)	999+	999+	999+	999+				

Appendix F
2012-08-14 JRH Test Pit Investigation Photos

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo – 1 – Test Pit 1- Just to the west of tank pad. Pit was 27 feet long and approximately 5 feet deep.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 2 – Historic fill and rubble in Test Pit 1. Abundant brick fragments and large chunks of concrete and rotted wood.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 3 – Test Pit 2 Just to the north of tank pad and near former dispenser island. Abundant concrete, brick, and slate fragments. Layers of dark brown sand between the historic fill rubble. Pit was 17 feet long and approximately 5 feet deep.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 4 – Test Pit 3 – 17 feet long and 5 feet deep. Note historic fill and rubble.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 5 – Test Pit 4 – Between building and tank pad. Test pit was 17 feet long and 4.5 feet deep. A lot of rotted wood and disconnected drainage piping.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 6 – Test Pit 5 – In front of building. Test pit was 17 feet long and approximately 5 feet deep. Note concrete filled piping and rubble.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 7 – Test Pit 6 – 17 feet long and 4 feet deep. Brick, boulders, shingles, and rotted wood.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 8 – Test Pit 7 – In area of GPR anomaly. Test pit was 17 feet long and 7 feet deep. Note large block of concrete with bricks attached.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 9 – Test Pit 7 – Masses of brick and concrete (GPR anomaly).

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 10 – Test Pit 8 – Test pit was17 feet long and 4 feet deep. Note metallic debris and brick fragments.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 11 – Test Pit 9 – Westernmost portion of site – Many brick and concrete fragments. Test pit was 17 feet long and 4 feet deep.

JRH Test Pit Investigation 8/14/2012
Photo Documentation

Photo 12 – Test Pit 10 – Western side of building in area of GPR anomaly. Test pit was 17 feet long and 5 feet deep. Note abundant rubble and fragments of blue ceramic tile.

Appendix G
Laboratory Data Deliverables

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Tuesday, July 17, 2012

Jim DeMartinis
J.R. Holzmacher P.E. LLC
300 Wheeler Road, Suite 402
Hauppauge, NY 11788

TEL: (631) 234-2220
FAX (631) 234-2221

RE: 10504 Flatlands Ave., Brooklyn, NY

Order No.: 1207066

Dear Jim DeMartinis:

American Analytical Laboratories, LLC. received 16 sample(s) on 7/6/2012 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. This report consists of _____ pages.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer
Lab Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

CLIENT: J.R. Holzmacher P.E. LLC
Project: 10504 Flatlands Ave., Brooklyn, NY
Lab Order: 1207066

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date Collected	Date Received
1207066-01A	B-1 (0-2')	7/5/2012 11:00:00 AM	7/6/2012
1207066-01B	B-1 (0-2')	7/5/2012 11:00:00 AM	7/6/2012
1207066-02A	B-1 (5-8')	7/5/2012 11:10:00 AM	7/6/2012
1207066-02B	B-1 (5-8')	7/5/2012 11:10:00 AM	7/6/2012
1207066-03A	MW-1 (0-2')	7/5/2012 11:30:00 AM	7/6/2012
1207066-03B	MW-1 (0-2')	7/5/2012 11:30:00 AM	7/6/2012
1207066-04A	MW-1 (5-8')	7/5/2012 11:40:00 AM	7/6/2012
1207066-04B	MW-1 (5-8')	7/5/2012 11:40:00 AM	7/6/2012
1207066-05A	MW-2 (0-2')	7/5/2012 2:15:00 PM	7/6/2012
1207066-05B	MW-2 (0-2')	7/5/2012 2:15:00 PM	7/6/2012
1207066-06A	MW-2 (5-8')	7/5/2012 2:30:00 PM	7/6/2012
1207066-06B	MW-2 (5-8')	7/5/2012 2:30:00 PM	7/6/2012
1207066-07A	MW-3 (0-2')	7/6/2012 9:05:00 AM	7/6/2012
1207066-07B	MW-3 (0-2')	7/6/2012 9:05:00 AM	7/6/2012
1207066-08A	MW-3 (5-8')	7/6/2012 9:15:00 AM	7/6/2012
1207066-08B	MW-3 (5-8')	7/6/2012 9:15:00 AM	7/6/2012
1207066-09A	B-2 (0-2')	7/6/2012	7/6/2012
1207066-09B	B-2 (0-2')	7/6/2012	7/6/2012
1207066-10A	B-2 (5-8')	7/6/2012	7/6/2012
1207066-10B	B-2 (5-8')	7/6/2012	7/6/2012
1207066-11A	B-3 (0-2')	7/6/2012	7/6/2012
1207066-11B	B-3 (0-2')	7/6/2012	7/6/2012
1207066-12A	B-3 (5-8')	7/6/2012	7/6/2012
1207066-12B	B-3 (5-8')	7/6/2012	7/6/2012
1207066-13A	B-4 (0-2')	7/6/2012	7/6/2012
1207066-13B	B-4 (0-2')	7/6/2012	7/6/2012
1207066-14A	B-4 (5-8')	7/6/2012	7/6/2012
1207066-14B	B-4 (5-8')	7/6/2012	7/6/2012
1207066-15A	B-5 (0-2')	7/6/2012	7/6/2012
1207066-15B	B-5 (0-2')	7/6/2012	7/6/2012
1207066-16A	B-5 (5-8')	7/6/2012	7/6/2012
1207066-16B	B-5 (5-8')	7/6/2012	7/6/2012

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027
www.american-analytical.com

NYSDOH	11418
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: J.R Holzmacher

CONTACT: Jim DeMartesis

SAMPLER (SIGNATURE): Heather Sonnenberg

SAMPLER NAME (PRINT): Heather Sonnenberg

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

TEMPERATURE (° C) 4.1

PROJECT LOCATION: 10504 Flatlands Ave., Brooklyn, NY

LABORATORY ID# LAB USE ONLY	MATRIX/ TYPE	NO. OF CONTAINERS	SAMPLING DATE	SAMPLING TIME	SAMPLE # - LOCATION	TCL VOC's	TCL SVOC's	Pesticides 8081	PCB's 8082	TAL metals
1207066-01AB	S	2	7-5-12	11 AM	B-1 (0-2')	✓	✓	✓	✓	✓
02AB	S			11:10 AM	B-1 (5-8')	✓	✓	✓	✓	✓
03AB	S			11:30 AM	MW-1 (0-2')	✓	✓	✓	✓	✓
04AB	S			11:40 AM	MW-1 (5-8')	✓	✓	✓	✓	✓
05AB	S			2:15 pm	MW-2 (0-2')	✓	✓	✓	✓	✓
06AB	S			2:30 pm	MW-2 (5-8')	✓	✓	✓	✓	✓
07AB	S		7-6-12	9:05 AM	MW-3 (0-2')	✓	✓	✓	✓	✓
08AB	S			9:15 AM	MW-3 (5-8')	✓	✓	✓	✓	✓
09AB	S				B-2 (0-2')	✓	✓	✓	✓	✓
10AB	S				B-2 (5-8')	✓	✓	✓	✓	✓
11AB	S				B-3 (0-2')	✓	✓	✓	✓	✓
12AB	S				B-3 (5-8')	✓	✓	✓	✓	✓

COMMENTS / INSTRUCTIONS

Samples must be on ICE (<6° C)

1 of 2

MATRIX S=SOIL; W=WATER; SL=SLUDGE; A=AIR; M=MISCELLANEOUS
TYPE G=GRAB; C=COMPOSITE

TURNAROUND REQUIRED
STANDARD ☒ STAT ☐ BY / /
(7-10 business days)

E-MAIL ADDRESS FOR RESULTS:

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
Heather Sonnenberg	7-6-12 / 2pm	Heather Sonnenberg	Lori Bey	7/6/12 / 14:00	Lori Beyer
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027
www.american-analytical.com

NYSDOH	11418
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: J.R. Holzmacher

CONTACT: Jim DeMartinis

SAMPLER (SIGNATURE): [signature]

SAMPLER NAME (PRINT): Heather Sonnenberg

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

TEMPERATURE (° C): 4.1

PROJECT LOCATION: 10504 Flatlands Ave., Brooklyn, NY

ANALYSIS REQUIRED

LABORATORY ID# LAB USE ONLY	MATRIX/ TYPE	NO. OF CONTAINERS	SAMPLING DATE	SAMPLING TIME	SAMPLE # - LOCATION	TCL VOC's	TCL SVOC's	Pesticides 8081B	PCB's 8082A	TAL Metals
1207066-13AB	S	2	7-6-12		B-4 (0-2')	✓	✓	✓	✓	✓
14AB	S	2	↓		B-4 (5-8')	✓	✓	✓	✓	✓
15AB	S	2	↓		B-5 (0-2')	✓	✓	✓	✓	✓
16AB	S	2	↓		B-5 (5-8')	✓	✓	✓	✓	✓

COMMENTS / INSTRUCTIONS

Samples must be on ICE (<6° C) 2062

MATRIX S=SOIL; W=WATER; SL=SLUDGE; A=AIR; M=MISCELLANEOUS
TYPE G=GRAB; C=COMPOSITE

TURNAROUND REQUIRED
STANDARD ☒ (7-10 business days) STAT ☐ BY / /

E-MAIL ADDRESS FOR RESULTS:

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
[signature]	7-6-12 / 2pm	Heather Sonnenberg	[signature]	7/6/12 / 1410	LORI Bg
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

American Analytical Laboratories, LLC.

Sample Receipt Checklist

Client Name HOLZMACHER

Date and Time Receive 7/6/2012 2:07:19 PM

Work Order Numbe 1207066

RcptNo: 1

Received by LB

COC_ID:

CoolerID:

Checklist completed b Signature 7/6/12 Date

Reviewed by Initials 7/6/12 Date

Matrix

Carrier name Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐

Adjusted _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action _____

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:00:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2,4,5-Tetramethylbenzene	3.7	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2,4-Trimethylbenzene	1.5	0.28	2.2	J	µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2-Dibromo-3-chloropropane	U	0.56	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,3,5-Trimethylbenzene	5.2	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
2-Butanone	U	1.4	5.6	C	µg/Kg-dry	1	7/6/2012 5:37:00 PM
2-Chloroethyl vinyl ether	U	0.56	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
2-Hexanone	U	1.4	5.6	C	µg/Kg-dry	1	7/6/2012 5:37:00 PM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
4-Isopropyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
4-Methyl-2-pentanone	U	1.4	5.6	C	µg/Kg-dry	1	7/6/2012 5:37:00 PM
Acetone	U	1.4	5.6	C	µg/Kg-dry	1	7/6/2012 5:37:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:00:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.6	11	C	µg/Kg-dry	1	7/6/2012 5:37:00 PM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Benzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Chloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Ethanol	U	2.8	5.6	C	µg/Kg-dry	1	7/6/2012 5:37:00 PM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Ethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Isopropyl acetate	U	1.1	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Isopropylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
m,p-Xylene	U	0.56	4.5		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Methylene chloride	7.1	0.28	2.2	B	µg/Kg-dry	1	7/6/2012 5:37:00 PM
n-Amyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:00:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
n-Butyl acetate	U	0.28	2.2	C	µg/Kg-dry	1	7/6/2012 5:37:00 PM
n-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
n-Propyl acetate	U	0.56	2.2	C	µg/Kg-dry	1	7/6/2012 5:37:00 PM
n-Propylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
o-Xylene	0.28	0.28	2.2	J	µg/Kg-dry	1	7/6/2012 5:37:00 PM
p-Diethylbenzene	3.4	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
p-Ethyltoluene	0.55	0.28	2.2	J	µg/Kg-dry	1	7/6/2012 5:37:00 PM
sec-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Styrene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Tetrachloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Toluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Trichlorofluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Vinyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 5:37:00 PM
Surr: 4-Bromofluorobenzene	96.8	0	42-133		%REC	1	7/6/2012 5:37:00 PM
Surr: Dibromofluoromethane	95.2	0	50-133		%REC	1	7/6/2012 5:37:00 PM
Surr: Toluene-d8	99.9	0	53-130		%REC	1	7/6/2012 5:37:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:00:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0878	0.005	0.0109		mg/Kg-dry	1	7/10/2012 3:17:36 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Aroclor 1221	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Aroclor 1232	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Aroclor 1242	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Aroclor 1248	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Aroclor 1254	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Aroclor 1260	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Aroclor 1262	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Aroclor 1268	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 4:02:00 AM
Surr: TCX	61.1	0	17-151		%REC	1	7/14/2012 4:02:00 AM
Surr: DCB	49.1	0	16-152		%REC	1	7/14/2012 4:02:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	2.9	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
4,4´-DDE	1.4	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 9:45:00 PM
4,4´-DDT	8.4	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 9:45:00 PM
Aldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Chlordane	U	0.28	0.56		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Dieldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Endosulfan sulfate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Endrin ketone	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:00:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Heptachlor epoxide	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Toxaphene	U	2.79	5.6		µg/Kg-dry	1	7/16/2012 9:45:00 PM
Surr: DCB	58.0	0	23-157		%REC	1	7/16/2012 9:45:00 PM
Surr: TCX	74.7	0	21-151		%REC	1	7/16/2012 9:45:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	11.0	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	4930	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Antimony	U	0.22	0.562		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Arsenic	2.13	0.22	0.562		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Barium	34.3	0.22	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Beryllium	U	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Cadmium	0.148	0.11	0.450	J	mg/Kg-dry	1	7/10/2012 9:49:40 AM
Calcium	1320	0.22	0.562		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Chromium	11.6	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Cobalt	U	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Copper	16.7	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Iron	11600	2.25	4.50		mg/Kg-dry	10	7/10/2012 10:48:54 AM
Lead	50.1	0.22	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Magnesium	1780	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Manganese	93.7	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Nickel	11.3	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Potassium	656	0.22	0.562		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Selenium	U	0.22	0.562		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Silver	U	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Sodium	53.8	0.22	0.562		mg/Kg-dry	1	7/10/2012 9:49:40 AM
Thallium	0.503	0.34	0.562	J	mg/Kg-dry	1	7/10/2012 9:49:40 AM
Vanadium	18.6	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:00:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	50.4	0.11	0.450		mg/Kg-dry	1	7/10/2012 9:49:40 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
1,2-Dichlorobenzene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
1,3-Dichlorobenzene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
1,4-Dichlorobenzene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2,3,4,6-Tetrachlorophenol	U	27.9	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
2,4,5-Trichlorophenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2,4,6-Trichlorophenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2,4-Dichlorophenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2,4-Dimethylphenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2,4-Dinitrophenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2,4-Dinitrotoluene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2,6-Dinitrotoluene	U	55.8	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2-Chloronaphthalene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2-Chlorophenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2-Methylnaphthalene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2-Methylphenol	U	27.9	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
2-Nitroaniline	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
2-Nitrophenol	U	55.8	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
3,3´-Dichlorobenzidine	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
3+4-Methylphenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
3-Nitroaniline	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
4,6-Dinitro-2-methylphenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
4-Bromophenyl phenyl ether	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
4-Chloro-3-methylphenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
4-Chloroaniline	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
4-Chlorophenyl phenyl ether	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
4-Nitroaniline	U	27.9	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
4-Nitrophenol	U	27.9	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Acenaphthene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Acenaphthylene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:00:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Aniline	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Anthracene	260	27.9	280	J	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Atrazine	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Azobenzene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzaldehyde	U	55.8	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzidine	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzo(a)anthracene	230	27.9	280	J	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzo(a)pyrene	280	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzo(b)fluoranthene	230	27.9	280	J	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzo(g,h,i)perylene	210	27.9	280	J	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzo(k)fluoranthene	250	27.9	280	J	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzoic acid	U	55.8	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Benzyl alcohol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Biphenyl	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Bis(2-chloroethoxy)methane	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Bis(2-chloroethyl)ether	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Bis(2-chloroisopropyl)ether	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Bis(2-ethylhexyl)phthalate	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Butyl benzyl phthalate	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Caprolactam	U	27.9	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Carbazole	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Chrysene	260	27.9	280	J	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Dibenzo(a,h)anthracene	48	27.9	280	J	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Dibenzofuran	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Diethyl phthalate	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Dimethyl phthalate	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Di-n-butyl phthalate	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Di-n-octyl phthalate	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Fluoranthene	640	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Fluorene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Hexachlorobenzene	U	27.9	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Hexachlorobutadiene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:00:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	55.8	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Hexachloroethane	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Indeno(1,2,3-c,d)pyrene	160	27.9	280	JC	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Isophorone	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Naphthalene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Nitrobenzene	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
N-Nitrosodimethylamine	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
N-Nitrosodi-n-propylamine	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
N-Nitrosodiphenylamine	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Parathion	U	55.8	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Pentachlorophenol	U	27.9	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Phenanthrene	260	27.9	280	J	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Phenol	U	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Pyrene	440	27.9	280		µg/Kg-dry	1	7/13/2012 6:43:00 PM
Pyridine	U	27.9	280	C	µg/Kg-dry	1	7/13/2012 6:43:00 PM
Surr: 2,4,6-Tribromophenol	69.1	0	21-119		%REC	1	7/13/2012 6:43:00 PM
Surr: 2-Fluorobiphenyl	89.6	0	21-117		%REC	1	7/13/2012 6:43:00 PM
Surr: 2-Fluorophenol	69.4	0	11-105		%REC	1	7/13/2012 6:43:00 PM
Surr: 4-Terphenyl-d14	77.6	0	21-132		%REC	1	7/13/2012 6:43:00 PM
Surr: Nitrobenzene-d5	66.2	0	18-116		%REC	1	7/13/2012 6:43:00 PM
Surr: Phenol-d6	80.7	0	12-110		%REC	1	7/13/2012 6:43:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:10:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,1,1-Trichloroethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,1,2,2-Tetrachloroethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,1,2-Trichloroethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,1-Dichloroethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,1-Dichloroethene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,1-Dichloropropene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2,3-Trichlorobenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2,3-Trichloropropane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2,4,5-Tetramethylbenzene	9.8	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2,4-Trichlorobenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2,4-Trimethylbenzene	23	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2-Dibromo-3-chloropropane	U	0.59	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2-Dibromoethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2-Dichlorobenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2-Dichloroethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,2-Dichloropropane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,3,5-Trimethylbenzene	7.8	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,3-Dichlorobenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,3-dichloropropane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,4-Dichlorobenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
1,4-Dioxane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
2,2-Dichloropropane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
2-Butanone	U	1.5	5.9	C	µg/Kg-dry	1	7/6/2012 5:59:00 PM
2-Chloroethyl vinyl ether	U	0.59	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
2-Chlorotoluene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
2-Hexanone	U	1.5	5.9	C	µg/Kg-dry	1	7/6/2012 5:59:00 PM
2-Propanol	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
4-Chlorotoluene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
4-Isopropyltoluene	0.42	0.29	2.3	J	µg/Kg-dry	1	7/6/2012 5:59:00 PM
4-Methyl-2-pentanone	U	1.5	5.9	C	µg/Kg-dry	1	7/6/2012 5:59:00 PM
Acetone	U	1.5	5.9	C	µg/Kg-dry	1	7/6/2012 5:59:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:10:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.9	12	C	µg/Kg-dry	1	7/6/2012 5:59:00 PM
Acrylonitrile	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Benzene	0.53	0.29	2.3	J	µg/Kg-dry	1	7/6/2012 5:59:00 PM
Bromobenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Bromochloromethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Bromodichloromethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Bromoform	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Bromomethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Carbon disulfide	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Carbon tetrachloride	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Chlorobenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Chlorodifluoromethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Chloroethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Chloroform	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Chloromethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
cis-1,2-Dichloroethene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
cis-1,3-Dichloropropene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Dibromochloromethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Dibromomethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Dichlorodifluoromethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Diisopropyl ether	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Ethanol	U	2.9	5.9	C	µg/Kg-dry	1	7/6/2012 5:59:00 PM
Ethyl acetate	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Ethylbenzene	2.7	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Freon-114	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Hexachlorobutadiene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Isopropyl acetate	U	1.2	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Isopropylbenzene	0.66	0.29	2.3	J	µg/Kg-dry	1	7/6/2012 5:59:00 PM
m,p-Xylene	8.9	0.59	4.7		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Methyl Acetate	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Methyl tert-butyl ether	5.3	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Methylene chloride	7.9	0.29	2.3	B	µg/Kg-dry	1	7/6/2012 5:59:00 PM
n-Amyl acetate	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:10:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	2.6	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
n-Butyl acetate	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
n-Butylbenzene	0.50	0.29	2.3	J	µg/Kg-dry	1	7/6/2012 5:59:00 PM
n-Propyl acetate	U	0.59	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
n-Propylbenzene	1.7	0.29	2.3	J	µg/Kg-dry	1	7/6/2012 5:59:00 PM
o-Xylene	0.37	0.29	2.3	J	µg/Kg-dry	1	7/6/2012 5:59:00 PM
p-Diethylbenzene	6.0	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
p-Ethyltoluene	4.6	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
sec-Butylbenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Styrene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
t-Butyl alcohol	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
tert-Butylbenzene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Tetrachloroethene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Toluene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
trans-1,2-Dichloroethene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
trans-1,3-Dichloropropene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Trichloroethene	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Trichlorofluoromethane	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Vinyl acetate	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Vinyl chloride	U	0.29	2.3		µg/Kg-dry	1	7/6/2012 5:59:00 PM
Surr: 4-Bromofluorobenzene	93.6	0	42-133		%REC	1	7/6/2012 5:59:00 PM
Surr: Dibromofluoromethane	91.4	0	50-133		%REC	1	7/6/2012 5:59:00 PM
Surr: Toluene-d8	101	0	53-130		%REC	1	7/6/2012 5:59:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:10:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0412	0.006	0.0116		mg/Kg-dry	1	7/10/2012 3:19:44 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Aroclor 1221	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Aroclor 1232	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Aroclor 1242	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Aroclor 1248	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Aroclor 1254	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Aroclor 1260	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Aroclor 1262	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Aroclor 1268	U	1.44	2.9		µg/Kg-dry	1	7/14/2012 4:26:00 AM
Surr: TCX	57.8	0	17-151		%REC	1	7/14/2012 4:26:00 AM
Surr: DCB	52.8	0	16-152		%REC	1	7/14/2012 4:26:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	2.7	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
4,4´-DDE	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
4,4´-DDT	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Aldrin	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
alpha-BHC	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
beta-BHC	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Chlordane	U	0.29	0.58		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Chlorobenzilate	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
DBCP	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
delta-BHC	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Dieldrin	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Endosulfan I	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Endosulfan II	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Endosulfan sulfate	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Endrin	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Endrin aldehyde	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Endrin ketone	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
gamma-BHC	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:10:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Heptachlor epoxide	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Hexachlorobenzene	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Hexachlorocyclopentadiene	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Methoxychlor	U	0.12	0.23		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Toxaphene	U	2.88	5.8		µg/Kg-dry	1	7/16/2012 10:27:00 PM
Surr: DCB	59.8	0	23-157		%REC	1	7/16/2012 10:27:00 PM
Surr: TCX	81.9	0	21-151		%REC	1	7/16/2012 10:27:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	13.8	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	3660	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Antimony	U	0.22	0.551		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Arsenic	1.30	0.22	0.551		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Barium	26.0	0.22	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Beryllium	U	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Cadmium	U	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Calcium	8700	0.22	0.551		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Chromium	8.75	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Cobalt	U	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Copper	12.1	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Iron	8740	2.20	4.41		mg/Kg-dry	10	7/10/2012 10:50:56 AM
Lead	23.9	0.22	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Magnesium	2310	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Manganese	108	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Nickel	7.56	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Potassium	686	0.22	0.551		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Selenium	U	0.22	0.551		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Silver	U	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Sodium	55.3	0.22	0.551		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Thallium	0.615	0.33	0.551		mg/Kg-dry	1	7/10/2012 9:51:42 AM
Vanadium	13.9	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:10:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	29.0	0.11	0.441		mg/Kg-dry	1	7/10/2012 9:51:42 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
1,2-Dichlorobenzene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
1,3-Dichlorobenzene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
1,4-Dichlorobenzene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2,3,4,6-Tetrachlorophenol	U	28.8	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
2,4,5-Trichlorophenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2,4,6-Trichlorophenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2,4-Dichlorophenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2,4-Dimethylphenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2,4-Dinitrophenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2,4-Dinitrotoluene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2,6-Dinitrotoluene	U	57.6	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2-Chloronaphthalene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2-Chlorophenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2-Methylnaphthalene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2-Methylphenol	U	28.8	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
2-Nitroaniline	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
2-Nitrophenol	U	57.6	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
3,3'-Dichlorobenzidine	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
3+4-Methylphenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
3-Nitroaniline	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
4,6-Dinitro-2-methylphenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
4-Bromophenyl phenyl ether	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
4-Chloro-3-methylphenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
4-Chloroaniline	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
4-Chlorophenyl phenyl ether	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
4-Nitroaniline	U	28.8	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
4-Nitrophenol	U	28.8	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Acenaphthene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Acenaphthylene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:10:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Aniline	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Anthracene	250	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Atrazine	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Azobenzene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzaldehyde	U	57.6	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzidine	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzo(a)anthracene	220	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzo(a)pyrene	240	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzo(b)fluoranthene	190	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzo(g,h,i)perylene	130	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzo(k)fluoranthene	210	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzoic acid	U	57.6	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Benzyl alcohol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Biphenyl	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Bis(2-chloroethoxy)methane	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Bis(2-chloroethyl)ether	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Bis(2-chloroisopropyl)ether	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Bis(2-ethylhexyl)phthalate	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Butyl benzyl phthalate	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Caprolactam	U	28.8	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Carbazole	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Chrysene	270	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Dibenzo(a,h)anthracene	37	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Dibenzofuran	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Diethyl phthalate	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Dimethyl phthalate	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Di-n-butyl phthalate	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Di-n-octyl phthalate	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Fluoranthene	440	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Fluorene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Hexachlorobenzene	U	28.8	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Hexachlorobutadiene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:10:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	57.6	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Hexachloroethane	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Indeno(1,2,3-c,d)pyrene	140	28.8	290	JC	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Isophorone	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Naphthalene	46	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Nitrobenzene	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
N-Nitrosodimethylamine	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
N-Nitrosodi-n-propylamine	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
N-Nitrosodiphenylamine	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Parathion	U	57.6	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Pentachlorophenol	U	28.8	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Phenanthrene	250	28.8	290	J	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Phenol	U	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Pyrene	320	28.8	290		µg/Kg-dry	1	7/13/2012 7:07:00 PM
Pyridine	U	28.8	290	C	µg/Kg-dry	1	7/13/2012 7:07:00 PM
Surr: 2,4,6-Tribromophenol	44.7	0	21-119		%REC	1	7/13/2012 7:07:00 PM
Surr: 2-Fluorobiphenyl	68.6	0	21-117		%REC	1	7/13/2012 7:07:00 PM
Surr: 2-Fluorophenol	34.2	0	11-105		%REC	1	7/13/2012 7:07:00 PM
Surr: 4-Terphenyl-d14	59.6	0	21-132		%REC	1	7/13/2012 7:07:00 PM
Surr: Nitrobenzene-d5	55.8	0	18-116		%REC	1	7/13/2012 7:07:00 PM
Surr: Phenol-d6	49.4	0	12-110		%REC	1	7/13/2012 7:07:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:30:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2,4,5-Tetramethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2,4-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2-Dibromo-3-chloropropane	U	0.55	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,3,5-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
2-Butanone	U	1.4	5.5	C	µg/Kg-dry	1	7/6/2012 6:22:00 PM
2-Chloroethyl vinyl ether	U	0.55	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
2-Hexanone	U	1.4	5.5	C	µg/Kg-dry	1	7/6/2012 6:22:00 PM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
4-Isopropyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
4-Methyl-2-pentanone	U	1.4	5.5	C	µg/Kg-dry	1	7/6/2012 6:22:00 PM
Acetone	U	1.4	5.5	C	µg/Kg-dry	1	7/6/2012 6:22:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:30:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.5	11	C	µg/Kg-dry	1	7/6/2012 6:22:00 PM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Benzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Chloroethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Ethanol	U	2.8	5.5	C	µg/Kg-dry	1	7/6/2012 6:22:00 PM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Ethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Isopropyl acetate	U	1.1	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Isopropylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
m,p-Xylene	U	0.55	4.4		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Methylene chloride	7.7	0.28	2.2	B	µg/Kg-dry	1	7/6/2012 6:22:00 PM
n-Amyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:30:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
n-Butyl acetate	U	0.28	2.2	C	µg/Kg-dry	1	7/6/2012 6:22:00 PM
n-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
n-Propyl acetate	U	0.55	2.2	C	µg/Kg-dry	1	7/6/2012 6:22:00 PM
n-Propylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
o-Xylene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
p-Diethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
p-Ethyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
sec-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Styrene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Tetrachloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Toluene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Trichlorofluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Vinyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	7/6/2012 6:22:00 PM
Surr: 4-Bromofluorobenzene	90.7	0	42-133		%REC	1	7/6/2012 6:22:00 PM
Surr: Dibromofluoromethane	93.4	0	50-133		%REC	1	7/6/2012 6:22:00 PM
Surr: Toluene-d8	99.0	0	53-130		%REC	1	7/6/2012 6:22:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:30:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.101	0.005	0.0105		mg/Kg-dry	1	7/10/2012 3:26:05 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Aroclor 1221	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Aroclor 1232	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Aroclor 1242	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Aroclor 1248	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Aroclor 1254	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Aroclor 1260	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Aroclor 1262	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Aroclor 1268	U	1.36	2.7		µg/Kg-dry	1	7/14/2012 4:50:00 AM
Surr: TCX	60.8	0	17-151		%REC	1	7/14/2012 4:50:00 AM
Surr: DCB	66.4	0	16-152		%REC	1	7/14/2012 4:50:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4'-DDD	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
4,4'-DDE	0.43	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 10:41:00 PM
4,4'-DDT	1.8	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Aldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Chlordane	U	0.27	0.55		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Dieldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Endosulfan sulfate	0.38	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Endrin ketone	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:30:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Heptachlor epoxide	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Toxaphene	U	2.73	5.5		µg/Kg-dry	1	7/16/2012 10:41:00 PM
Surr: DCB	60.5	0	23-157		%REC	1	7/16/2012 10:41:00 PM
Surr: TCX	41.4	0	21-151		%REC	1	7/16/2012 10:41:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	8.82	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	6260	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Antimony	U	0.22	0.542		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Arsenic	3.23	0.22	0.542		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Barium	58.5	0.22	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Beryllium	U	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Cadmium	0.359	0.11	0.433	J	mg/Kg-dry	1	7/10/2012 9:53:44 AM
Calcium	1440	0.22	0.542		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Chromium	15.7	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Cobalt	U	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Copper	29.0	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Iron	18000	2.17	4.33		mg/Kg-dry	10	7/10/2012 10:52:58 AM
Lead	50.5	0.22	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Magnesium	2710	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Manganese	303	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Nickel	17.8	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Potassium	1130	0.22	0.542		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Selenium	U	0.22	0.542		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Silver	U	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Sodium	98.6	0.22	0.542		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Thallium	0.837	0.33	0.542		mg/Kg-dry	1	7/10/2012 9:53:44 AM
Vanadium	26.9	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:30:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	574	0.11	0.433		mg/Kg-dry	1	7/10/2012 9:53:44 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
1,2-Dichlorobenzene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
1,3-Dichlorobenzene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
1,4-Dichlorobenzene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2,3,4,6-Tetrachlorophenol	U	27.3	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
2,4,5-Trichlorophenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2,4,6-Trichlorophenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2,4-Dichlorophenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2,4-Dimethylphenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2,4-Dinitrophenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2,4-Dinitrotoluene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2,6-Dinitrotoluene	U	54.6	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2-Chloronaphthalene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2-Chlorophenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2-Methylnaphthalene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2-Methylphenol	U	27.3	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
2-Nitroaniline	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
2-Nitrophenol	U	54.6	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
3,3´-Dichlorobenzidine	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
3+4-Methylphenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
3-Nitroaniline	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
4,6-Dinitro-2-methylphenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
4-Bromophenyl phenyl ether	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
4-Chloro-3-methylphenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
4-Chloroaniline	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
4-Chlorophenyl phenyl ether	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
4-Nitroaniline	U	27.3	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
4-Nitrophenol	U	27.3	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Acenaphthene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Acenaphthylene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:30:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Aniline	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Anthracene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Atrazine	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Azobenzene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzaldehyde	U	54.6	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzidine	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzo(a)anthracene	120	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzo(a)pyrene	140	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzo(b)fluoranthene	100	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzo(g,h,i)perylene	94	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzo(k)fluoranthene	110	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzoic acid	U	54.6	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Benzyl alcohol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Biphenyl	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Bis(2-chloroethoxy)methane	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Bis(2-chloroethyl)ether	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Bis(2-chloroisopropyl)ether	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Bis(2-ethylhexyl)phthalate	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Butyl benzyl phthalate	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Caprolactam	U	27.3	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Carbazole	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Chrysene	130	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Dibenzo(a,h)anthracene	29	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Dibenzofuran	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Diethyl phthalate	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Dimethyl phthalate	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Di-n-butyl phthalate	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Di-n-octyl phthalate	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Fluoranthene	260	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Fluorene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Hexachlorobenzene	U	27.3	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Hexachlorobutadiene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:30:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	54.6	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Hexachloroethane	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Indeno(1,2,3-c,d)pyrene	120	27.3	270	JC	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Isophorone	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Naphthalene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Nitrobenzene	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
N-Nitrosodimethylamine	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
N-Nitrosodi-n-propylamine	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
N-Nitrosodiphenylamine	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Parathion	U	54.6	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Pentachlorophenol	U	27.3	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Phenanthrene	100	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Phenol	U	27.3	270		µg/Kg-dry	1	7/13/2012 7:31:00 PM
Pyrene	200	27.3	270	J	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Pyridine	U	27.3	270	C	µg/Kg-dry	1	7/13/2012 7:31:00 PM
Surr: 2,4,6-Tribromophenol	55.2	0	21-119		%REC	1	7/13/2012 7:31:00 PM
Surr: 2-Fluorobiphenyl	67.3	0	21-117		%REC	1	7/13/2012 7:31:00 PM
Surr: 2-Fluorophenol	36.9	0	11-105		%REC	1	7/13/2012 7:31:00 PM
Surr: 4-Terphenyl-d14	62.6	0	21-132		%REC	1	7/13/2012 7:31:00 PM
Surr: Nitrobenzene-d5	57.9	0	18-116		%REC	1	7/13/2012 7:31:00 PM
Surr: Phenol-d6	49.8	0	12-110		%REC	1	7/13/2012 7:31:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:40:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2,4,5-Tetramethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2,4-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2-Dibromo-3-chloropropane	U	0.55	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,3,5-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
2-Butanone	U	1.38	5.5		µg/Kg-dry	1	7/11/2012 1:53:00 AM
2-Chloroethyl vinyl ether	U	0.55	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
2-Hexanone	U	1.38	5.5		µg/Kg-dry	1	7/11/2012 1:53:00 AM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
4-Isopropyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
4-Methyl-2-pentanone	U	1.38	5.5		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Acetone	U	1.38	5.5		µg/Kg-dry	1	7/11/2012 1:53:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:40:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.54	11		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Benzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Chloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Ethanol	U	2.77	5.5		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Ethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Isopropyl acetate	U	1.11	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Isopropylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
m,p-Xylene	U	0.55	4.4		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Methylene chloride	6.9	0.28	2.2	B	µg/Kg-dry	1	7/11/2012 1:53:00 AM
n-Amyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:40:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
n-Butyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
n-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
n-Propyl acetate	U	0.55	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
n-Propylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
o-Xylene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
p-Diethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
p-Ethyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
sec-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Styrene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Tetrachloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Toluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Trichlorofluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Vinyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:53:00 AM
Surr: 4-Bromofluorobenzene	95.6	0	42-133		%REC	1	7/11/2012 1:53:00 AM
Surr: Dibromofluoromethane	92.2	0	50-133		%REC	1	7/11/2012 1:53:00 AM
Surr: Toluene-d8	99.3	0	53-130		%REC	1	7/11/2012 1:53:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:40:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-04B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0919	0.005	0.00958		mg/Kg-dry	1	7/10/2012 3:28:14 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Aroclor 1221	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Aroclor 1232	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Aroclor 1242	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Aroclor 1248	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Aroclor 1254	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Aroclor 1260	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Aroclor 1262	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Aroclor 1268	U	1.39	2.8		µg/Kg-dry	1	7/14/2012 5:15:00 AM
Surr: TCX	46.1	0	17-151		%REC	1	7/14/2012 5:15:00 AM
Surr: DCB	47.1	0	16-152		%REC	1	7/14/2012 5:15:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
4,4´-DDE	0.27	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
4,4´-DDT	1.4	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Aldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Chlordane	6.6	0.28	0.56		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Dieldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Endosulfan sulfate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Endrin ketone	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:40:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-04B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Heptachlor epoxide	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Toxaphene	U	2.78	5.6		µg/Kg-dry	1	7/16/2012 10:56:00 PM
Surr: DCB	47.0	0	23-157		%REC	1	7/16/2012 10:56:00 PM
Surr: TCX	39.8	0	21-151		%REC	1	7/16/2012 10:56:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	10.8	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	5550	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Antimony	U	0.22	0.560		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Arsenic	2.12	0.22	0.560		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Barium	34.8	0.22	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Beryllium	U	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Cadmium	U	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Calcium	2720	0.22	0.560		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Chromium	13.7	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Cobalt	U	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Copper	16.1	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Iron	13800	2.24	4.48		mg/Kg-dry	10	7/10/2012 10:54:59 AM
Lead	23.7	0.22	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Magnesium	1960	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Manganese	209	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Nickel	11.0	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Potassium	785	0.22	0.560		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Selenium	U	0.22	0.560		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Silver	U	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Sodium	93.1	0.22	0.560		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Thallium	0.703	0.34	0.560		mg/Kg-dry	1	7/10/2012 9:55:45 AM
Vanadium	19.6	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:40:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-04B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	41.0	0.11	0.448		mg/Kg-dry	1	7/10/2012 9:55:45 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
1,2-Dichlorobenzene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
1,3-Dichlorobenzene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
1,4-Dichlorobenzene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2,3,4,6-Tetrachlorophenol	U	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
2,4,5-Trichlorophenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2,4,6-Trichlorophenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2,4-Dichlorophenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2,4-Dimethylphenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2,4-Dinitrophenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2,4-Dinitrotoluene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2,6-Dinitrotoluene	U	55.6	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2-Chloronaphthalene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2-Chlorophenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2-Methylnaphthalene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2-Methylphenol	U	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
2-Nitroaniline	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
2-Nitrophenol	U	55.6	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
3,3'-Dichlorobenzidine	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
3+4-Methylphenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
3-Nitroaniline	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
4,6-Dinitro-2-methylphenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
4-Bromophenyl phenyl ether	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
4-Chloro-3-methylphenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
4-Chloroaniline	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
4-Chlorophenyl phenyl ether	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
4-Nitroaniline	U	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
4-Nitrophenol	U	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Acenaphthene	94	27.8	280	J	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Acenaphthylene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:40:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-04B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Aniline	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Anthracene	950	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Atrazine	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Azobenzene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzaldehyde	U	55.6	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzidine	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzo(a)anthracene	570	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzo(a)pyrene	520	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzo(b)fluoranthene	500	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzo(g,h,i)perylene	280	27.8	280	J	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzo(k)fluoranthene	550	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzoic acid	U	55.6	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Benzyl alcohol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Biphenyl	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Bis(2-chloroethoxy)methane	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Bis(2-chloroethyl)ether	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Bis(2-chloroisopropyl)ether	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Bis(2-ethylhexyl)phthalate	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Butyl benzyl phthalate	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Caprolactam	U	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Carbazole	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Chrysene	520	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Dibenzo(a,h)anthracene	120	27.8	280	J	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Dibenzofuran	56	27.8	280	J	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Diethyl phthalate	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Dimethyl phthalate	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Di-n-butyl phthalate	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Di-n-octyl phthalate	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Fluoranthene	1300	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Fluorene	58	27.8	280	J	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Hexachlorobenzene	U	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Hexachlorobutadiene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 11:40:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-04B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	55.6	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Hexachloroethane	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Indeno(1,2,3-c,d)pyrene	310	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Isophorone	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Naphthalene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Nitrobenzene	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
N-Nitrosodimethylamine	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
N-Nitrosodi-n-propylamine	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
N-Nitrosodiphenylamine	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Parathion	U	55.6	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Pentachlorophenol	U	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Phenanthrene	950	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Phenol	U	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Pyrene	1100	27.8	280		µg/Kg-dry	1	7/13/2012 7:55:00 PM
Pyridine	U	27.8	280	C	µg/Kg-dry	1	7/13/2012 7:55:00 PM
Surr: 2,4,6-Tribromophenol	61.9	0	21-119		%REC	1	7/13/2012 7:55:00 PM
Surr: 2-Fluorobiphenyl	76.4	0	21-117		%REC	1	7/13/2012 7:55:00 PM
Surr: 2-Fluorophenol	40.2	0	11-105		%REC	1	7/13/2012 7:55:00 PM
Surr: 4-Terphenyl-d14	74.2	0	21-132		%REC	1	7/13/2012 7:55:00 PM
Surr: Nitrobenzene-d5	55.4	0	18-116		%REC	1	7/13/2012 7:55:00 PM
Surr: Phenol-d6	59.6	0	12-110		%REC	1	7/13/2012 7:55:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:15:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,1,1-Trichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,1,2,2-Tetrachloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,1,2-Trichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,1-Dichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,1-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,1-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2,3-Trichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2,3-Trichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2,4,5-Tetramethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2,4-Trichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2,4-Trimethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2-Dibromo-3-chloropropane	U	0.54	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2-Dibromoethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2-Dichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,2-Dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,3,5-Trimethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,3-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,3-dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,4-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
1,4-Dioxane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
2,2-Dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
2-Butanone	U	1.36	5.4		µg/Kg-dry	1	7/11/2012 2:14:00 AM
2-Chloroethyl vinyl ether	U	0.54	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
2-Chlorotoluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
2-Hexanone	U	1.36	5.4		µg/Kg-dry	1	7/11/2012 2:14:00 AM
2-Propanol	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
4-Chlorotoluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
4-Isopropyltoluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
4-Methyl-2-pentanone	U	1.36	5.4		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Acetone	U	1.36	5.4		µg/Kg-dry	1	7/11/2012 2:14:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:15:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.44	11		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Acrylonitrile	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Benzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Bromobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Bromochloromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Bromodichloromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Bromoform	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Bromomethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Carbon disulfide	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Carbon tetrachloride	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Chlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Chlorodifluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Chloroethane	U	0.27	2.2	C	µg/Kg-dry	1	7/11/2012 2:14:00 AM
Chloroform	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Chloromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
cis-1,2-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
cis-1,3-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Dibromochloromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Dibromomethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Dichlorodifluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Diisopropyl ether	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Ethanol	U	2.72	5.4		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Ethyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Ethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Freon-114	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Hexachlorobutadiene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Isopropyl acetate	U	1.09	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Isopropylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
m,p-Xylene	U	0.54	4.4		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Methyl Acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Methyl tert-butyl ether	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Methylene chloride	8.8	0.27	2.2	B	µg/Kg-dry	1	7/11/2012 2:14:00 AM
n-Amyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:15:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
n-Butyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
n-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
n-Propyl acetate	U	0.54	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
n-Propylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
o-Xylene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
p-Diethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
p-Ethyltoluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
sec-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Styrene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
t-Butyl alcohol	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
tert-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Tetrachloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Toluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
trans-1,2-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
trans-1,3-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Trichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Trichlorofluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Vinyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Vinyl chloride	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 2:14:00 AM
Surr: 4-Bromofluorobenzene	91.4	0	42-133		%REC	1	7/11/2012 2:14:00 AM
Surr: Dibromofluoromethane	89.4	0	50-133		%REC	1	7/11/2012 2:14:00 AM
Surr: Toluene-d8	97.2	0	53-130		%REC	1	7/11/2012 2:14:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:15:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-05B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.704	0.03	0.0510		mg/Kg-dry	5	7/10/2012 4:14:25 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Aroclor 1221	U	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Aroclor 1232	U	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Aroclor 1242	U	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Aroclor 1248	U	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Aroclor 1254	U	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Aroclor 1260	22	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Aroclor 1262	U	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Aroclor 1268	U	1.35	2.7		µg/Kg-dry	1	7/14/2012 5:39:00 AM
Surr: TCX	50.9	0	17-151		%REC	1	7/14/2012 5:39:00 AM
Surr: DCB	69.7	0	16-152		%REC	1	7/14/2012 5:39:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4'-DDD	2.5	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 11:10:00 PM
4,4'-DDE	1.0	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
4,4'-DDT	5.0	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Aldrin	1.1	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Chlordane	U	0.27	0.54		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Dieldrin	3.7	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 11:10:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Endosulfan sulfate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Endrin ketone	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:15:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-05B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Heptachlor epoxide	0.24	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Toxaphene	U	2.71	5.4		µg/Kg-dry	1	7/16/2012 11:10:00 PM
Surr: DCB	65.0	0	23-157		%REC	1	7/16/2012 11:10:00 PM
Surr: TCX	40.8	0	21-151		%REC	1	7/16/2012 11:10:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	8.44	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	3780	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Antimony	U	0.21	0.533		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Arsenic	4.26	0.21	0.533		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Barium	243	0.21	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Beryllium	U	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Cadmium	1.30	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Calcium	6280	0.21	0.533		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Chromium	13.8	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Cobalt	U	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Copper	71.2	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Iron	18700	2.13	4.27		mg/Kg-dry	10	7/10/2012 10:57:00 AM
Lead	343	0.21	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Magnesium	1650	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Manganese	183	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Nickel	11.9	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Potassium	748	0.21	0.533		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Selenium	U	0.21	0.533		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Silver	0.203	0.11	0.427	J	mg/Kg-dry	1	7/10/2012 9:57:46 AM
Sodium	161	0.21	0.533		mg/Kg-dry	1	7/10/2012 9:57:46 AM
Thallium	0.367	0.32	0.533	J	mg/Kg-dry	1	7/10/2012 9:57:46 AM
Vanadium	18.3	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:15:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-05B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	373	0.11	0.427		mg/Kg-dry	1	7/10/2012 9:57:46 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
1,2-Dichlorobenzene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
1,3-Dichlorobenzene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
1,4-Dichlorobenzene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2,3,4,6-Tetrachlorophenol	U	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
2,4,5-Trichlorophenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2,4,6-Trichlorophenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2,4-Dichlorophenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2,4-Dimethylphenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2,4-Dinitrophenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2,4-Dinitrotoluene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2,6-Dinitrotoluene	U	54.2	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2-Chloronaphthalene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2-Chlorophenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2-Methylnaphthalene	83	27.1	270	J	µg/Kg-dry	1	7/13/2012 8:19:00 PM
2-Methylphenol	U	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
2-Nitroaniline	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
2-Nitrophenol	U	54.2	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
3,3´-Dichlorobenzidine	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
3+4-Methylphenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
3-Nitroaniline	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
4,6-Dinitro-2-methylphenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
4-Bromophenyl phenyl ether	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
4-Chloro-3-methylphenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
4-Chloroaniline	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
4-Chlorophenyl phenyl ether	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
4-Nitroaniline	U	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
4-Nitrophenol	U	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Acenaphthene	350	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Acenaphthylene	44	27.1	270	J	µg/Kg-dry	1	7/13/2012 8:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:15:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-05B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Aniline	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Anthracene	5800	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Atrazine	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Azobenzene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzaldehyde	U	54.2	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzidine	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzo(a)anthracene	4200	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzo(a)pyrene	3200	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzo(b)fluoranthene	2700	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzo(g,h,i)perylene	1800	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzo(k)fluoranthene	2700	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzoic acid	U	54.2	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Benzyl alcohol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Biphenyl	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Bis(2-chloroethoxy)methane	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Bis(2-chloroethyl)ether	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Bis(2-chloroisopropyl)ether	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Bis(2-ethylhexyl)phthalate	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Butyl benzyl phthalate	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Caprolactam	U	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Carbazole	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Chrysene	4300	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Dibenzo(a,h)anthracene	560	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Dibenzofuran	190	27.1	270	J	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Diethyl phthalate	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Dimethyl phthalate	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Di-n-butyl phthalate	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Di-n-octyl phthalate	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Fluoranthene	11000	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Fluorene	340	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Hexachlorobenzene	U	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Hexachlorobutadiene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:15:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-05B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	54.2	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Hexachloroethane	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Indeno(1,2,3-c,d)pyrene	1900	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Isophorone	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Naphthalene	83	27.1	270	J	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Nitrobenzene	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
N-Nitrosodimethylamine	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
N-Nitrosodi-n-propylamine	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
N-Nitrosodiphenylamine	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Parathion	U	54.2	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Pentachlorophenol	U	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Phenanthrene	5700	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Phenol	U	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Pyrene	8200	27.1	270		µg/Kg-dry	1	7/13/2012 8:19:00 PM
Pyridine	U	27.1	270	C	µg/Kg-dry	1	7/13/2012 8:19:00 PM
Surr: 2,4,6-Tribromophenol	66.6	0	21-119		%REC	1	7/13/2012 8:19:00 PM
Surr: 2-Fluorobiphenyl	66.0	0	21-117		%REC	1	7/13/2012 8:19:00 PM
Surr: 2-Fluorophenol	30.7	0	11-105		%REC	1	7/13/2012 8:19:00 PM
Surr: 4-Terphenyl-d14	63.7	0	21-132		%REC	1	7/13/2012 8:19:00 PM
Surr: Nitrobenzene-d5	48.7	0	18-116		%REC	1	7/13/2012 8:19:00 PM
Surr: Phenol-d6	45.8	0	12-110		%REC	1	7/13/2012 8:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:30:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,1,1-Trichloroethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,1,2,2-Tetrachloroethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,1,2-Trichloroethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,1-Dichloroethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,1-Dichloroethene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,1-Dichloropropene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2,3-Trichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2,3-Trichloropropane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2,4,5-Tetramethylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2,4-Trichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2,4-Trimethylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2-Dibromo-3-chloropropane	U	0.53	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2-Dibromoethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2-Dichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2-Dichloroethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,2-Dichloropropane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,3,5-Trimethylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,3-Dichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,3-dichloropropane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,4-Dichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
1,4-Dioxane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
2,2-Dichloropropane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
2-Butanone	U	1.32	5.3		µg/Kg-dry	1	7/11/2012 2:36:00 AM
2-Chloroethyl vinyl ether	U	0.53	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
2-Chlorotoluene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
2-Hexanone	U	1.32	5.3		µg/Kg-dry	1	7/11/2012 2:36:00 AM
2-Propanol	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
4-Chlorotoluene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
4-Isopropyltoluene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
4-Methyl-2-pentanone	U	1.32	5.3		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Acetone	U	1.32	5.3		µg/Kg-dry	1	7/11/2012 2:36:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:30:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5.27	11		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Acrylonitrile	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Benzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Bromobenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Bromochloromethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Bromodichloromethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Bromoform	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Bromomethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Carbon disulfide	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Carbon tetrachloride	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Chlorobenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Chlorodifluoromethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Chloroethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Chloroform	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Chloromethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
cis-1,2-Dichloroethene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
cis-1,3-Dichloropropene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Dibromochloromethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Dibromomethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Dichlorodifluoromethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Diisopropyl ether	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Ethanol	U	2.64	5.3		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Ethyl acetate	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Ethylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Freon-114	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Hexachlorobutadiene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Isopropyl acetate	U	1.05	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Isopropylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
m,p-Xylene	U	0.53	4.2		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Methyl Acetate	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Methyl tert-butyl ether	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Methylene chloride	9.2	0.26	2.1	B	µg/Kg-dry	1	7/11/2012 2:36:00 AM
n-Amyl acetate	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:30:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
n-Butyl acetate	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
n-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
n-Propyl acetate	U	0.53	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
n-Propylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
o-Xylene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
p-Diethylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
p-Ethyltoluene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
sec-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Styrene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
t-Butyl alcohol	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
tert-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Tetrachloroethene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Toluene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
trans-1,2-Dichloroethene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
trans-1,3-Dichloropropene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Trichloroethene	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Trichlorofluoromethane	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Vinyl acetate	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Vinyl chloride	U	0.26	2.1		µg/Kg-dry	1	7/11/2012 2:36:00 AM
Surr: 4-Bromofluorobenzene	94.0	0	42-133		%REC	1	7/11/2012 2:36:00 AM
Surr: Dibromofluoromethane	92.9	0	50-133		%REC	1	7/11/2012 2:36:00 AM
Surr: Toluene-d8	97.2	0	53-130		%REC	1	7/11/2012 2:36:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:30:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-06B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0172	0.005	0.00906		mg/Kg-dry	1	7/10/2012 3:32:31 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Aroclor 1221	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Aroclor 1232	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Aroclor 1242	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Aroclor 1248	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Aroclor 1254	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Aroclor 1260	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Aroclor 1262	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Aroclor 1268	U	1.33	2.7		µg/Kg-dry	1	7/14/2012 6:03:00 AM
Surr: TCX	62.1	0	17-151		%REC	1	7/14/2012 6:03:00 AM
Surr: DCB	70.2	0	16-152		%REC	1	7/14/2012 6:03:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4'-DDD	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
4,4'-DDE	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
4,4'-DDT	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Aldrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
alpha-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
beta-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Chlordane	8.5	0.27	0.53		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Chlorobenzilate	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
DBCP	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
delta-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Dieldrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Endosulfan I	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Endosulfan II	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Endosulfan sulfate	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Endrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Endrin aldehyde	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Endrin ketone	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
gamma-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:30:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-06B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	1.3	0.11	0.21	P	µg/Kg-dry	1	7/16/2012 11:24:00 PM
Heptachlor epoxide	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Hexachlorobenzene	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Hexachlorocyclopentadiene	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Methoxychlor	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Toxaphene	U	2.66	5.3		µg/Kg-dry	1	7/16/2012 11:24:00 PM
Surr: DCB	61.3	0	23-157		%REC	1	7/16/2012 11:24:00 PM
Surr: TCX	40.4	0	21-151		%REC	1	7/16/2012 11:24:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	6.48	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	2400	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Antimony	U	0.20	0.512		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Arsenic	1.33	0.20	0.512		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Barium	16.4	0.20	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Beryllium	U	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Cadmium	U	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Calcium	1540	0.20	0.512		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Chromium	6.86	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Cobalt	U	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Copper	11.5	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Iron	9290	2.05	4.10		mg/Kg-dry	10	7/10/2012 10:59:03 AM
Lead	8.83	0.20	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Magnesium	1610	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Manganese	111	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Nickel	6.86	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Potassium	433	0.20	0.512		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Selenium	U	0.20	0.512		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Silver	U	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Sodium	44.1	0.20	0.512		mg/Kg-dry	1	7/10/2012 9:59:47 AM
Thallium	0.413	0.31	0.512	J	mg/Kg-dry	1	7/10/2012 9:59:47 AM
Vanadium	12.4	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:30:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-06B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	31.6	0.10	0.410		mg/Kg-dry	1	7/10/2012 9:59:47 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
1,2-Dichlorobenzene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
1,3-Dichlorobenzene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
1,4-Dichlorobenzene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2,3,4,6-Tetrachlorophenol	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
2,4,5-Trichlorophenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2,4,6-Trichlorophenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2,4-Dichlorophenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2,4-Dimethylphenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2,4-Dinitrophenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2,4-Dinitrotoluene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2,6-Dinitrotoluene	U	53.2	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2-Chloronaphthalene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2-Chlorophenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2-Methylnaphthalene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2-Methylphenol	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
2-Nitroaniline	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
2-Nitrophenol	U	53.2	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
3,3'-Dichlorobenzidine	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
3+4-Methylphenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
3-Nitroaniline	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
4,6-Dinitro-2-methylphenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
4-Bromophenyl phenyl ether	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
4-Chloro-3-methylphenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
4-Chloroaniline	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
4-Chlorophenyl phenyl ether	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
4-Nitroaniline	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
4-Nitrophenol	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Acenaphthene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Acenaphthylene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:30:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-06B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Aniline	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Anthracene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Atrazine	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Azobenzene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzaldehyde	U	53.2	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzidine	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzo(a)anthracene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzo(a)pyrene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzo(b)fluoranthene	42	26.6	270	J	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzo(g,h,i)perylene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzo(k)fluoranthene	46	26.6	270	J	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzoic acid	U	53.2	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Benzyl alcohol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Biphenyl	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Bis(2-chloroethoxy)methane	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Bis(2-chloroethyl)ether	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Bis(2-chloroisopropyl)ether	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Bis(2-ethylhexyl)phthalate	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Butyl benzyl phthalate	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Caprolactam	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Carbazole	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Chrysene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Dibenzo(a,h)anthracene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Dibenzofuran	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Diethyl phthalate	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Dimethyl phthalate	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Di-n-butyl phthalate	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Di-n-octyl phthalate	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Fluoranthene	52	26.6	270	J	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Fluorene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Hexachlorobenzene	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Hexachlorobutadiene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/5/2012 2:30:00 PM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-06B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	53.2	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Hexachloroethane	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Indeno(1,2,3-c,d)pyrene	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Isophorone	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Naphthalene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Nitrobenzene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
N-Nitrosodimethylamine	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
N-Nitrosodi-n-propylamine	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
N-Nitrosodiphenylamine	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Parathion	U	53.2	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Pentachlorophenol	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Phenanthrene	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Phenol	U	26.6	270		µg/Kg-dry	1	7/13/2012 8:43:00 PM
Pyrene	38	26.6	270	J	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Pyridine	U	26.6	270	C	µg/Kg-dry	1	7/13/2012 8:43:00 PM
Surr: 2,4,6-Tribromophenol	53.9	0	21-119		%REC	1	7/13/2012 8:43:00 PM
Surr: 2-Fluorobiphenyl	75.1	0	21-117		%REC	1	7/13/2012 8:43:00 PM
Surr: 2-Fluorophenol	38.8	0	11-105		%REC	1	7/13/2012 8:43:00 PM
Surr: 4-Terphenyl-d14	66.5	0	21-132		%REC	1	7/13/2012 8:43:00 PM
Surr: Nitrobenzene-d5	60.5	0	18-116		%REC	1	7/13/2012 8:43:00 PM
Surr: Phenol-d6	53.3	0	12-110		%REC	1	7/13/2012 8:43:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:05:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-07A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2,4,5-Tetramethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2,4-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2-Dibromo-3-chloropropane	U	0.56	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,3,5-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
2-Butanone	U	1.39	5.6		µg/Kg-dry	1	7/11/2012 2:57:00 AM
2-Chloroethyl vinyl ether	U	0.56	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
2-Hexanone	U	1.39	5.6		µg/Kg-dry	1	7/11/2012 2:57:00 AM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
4-Isopropyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
4-Methyl-2-pentanone	U	1.39	5.6		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Acetone	U	1.39	5.6		µg/Kg-dry	1	7/11/2012 2:57:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:05:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-07A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5.56	11		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Benzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Chloroethane	U	0.28	2.2	C	µg/Kg-dry	1	7/11/2012 2:57:00 AM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Ethanol	U	2.78	5.6		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Ethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Isopropyl acetate	U	1.11	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Isopropylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
m,p-Xylene	U	0.56	4.4		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Methylene chloride	11	0.28	2.2	B	µg/Kg-dry	1	7/11/2012 2:57:00 AM
n-Amyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:05:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-07A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
n-Butyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
n-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
n-Propyl acetate	U	0.56	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
n-Propylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
o-Xylene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
p-Diethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
p-Ethyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
sec-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Styrene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Tetrachloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Toluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Trichlorofluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Vinyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 2:57:00 AM
Surr: 4-Bromofluorobenzene	95.0	0	42-133		%REC	1	7/11/2012 2:57:00 AM
Surr: Dibromofluoromethane	93.1	0	50-133		%REC	1	7/11/2012 2:57:00 AM
Surr: Toluene-d8	96.3	0	53-130		%REC	1	7/11/2012 2:57:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:05:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-07B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.700	0.03	0.0551		mg/Kg-dry	5	7/10/2012 4:16:35 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Aroclor 1221	U	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Aroclor 1232	U	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Aroclor 1242	U	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Aroclor 1248	U	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Aroclor 1254	U	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Aroclor 1260	20	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Aroclor 1262	U	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Aroclor 1268	U	1.41	2.8		µg/Kg-dry	1	7/14/2012 6:27:00 AM
Surr: TCX	50.7	0	17-151		%REC	1	7/14/2012 6:27:00 AM
Surr: DCB	50.0	0	16-152		%REC	1	7/14/2012 6:27:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4'-DDD	16	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
4,4'-DDE	11	0.11	0.23	P	µg/Kg-dry	1	7/17/2012 12:58:00 AM
4,4'-DDT	5.7	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Aldrin	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
alpha-BHC	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
beta-BHC	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Chlordane	U	0.28	0.57		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Chlorobenzilate	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
DBCP	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
delta-BHC	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Dieldrin	33	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Endosulfan I	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Endosulfan II	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Endosulfan sulfate	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Endrin	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Endrin aldehyde	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Endrin ketone	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
gamma-BHC	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:05:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-07B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Heptachlor epoxide	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Hexachlorobenzene	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Hexachlorocyclopentadiene	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Methoxychlor	U	0.11	0.23		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Toxaphene	U	2.83	5.7		µg/Kg-dry	1	7/17/2012 12:58:00 AM
Surr: DCB	55.3	0	23-157		%REC	1	7/17/2012 12:58:00 AM
Surr: TCX	66.2	0	21-151		%REC	1	7/17/2012 12:58:00 AM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	12.0	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	5200	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Antimony	U	0.22	0.542		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Arsenic	2.75	0.22	0.542		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Barium	108	0.22	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Beryllium	U	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Cadmium	0.242	0.11	0.434	J	mg/Kg-dry	1	7/10/2012 10:01:50 AM
Calcium	2880	0.22	0.542		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Chromium	15.3	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Cobalt	U	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Copper	40.6	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Iron	14900	2.17	4.34		mg/Kg-dry	10	7/10/2012 11:01:06 AM
Lead	181	0.22	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Magnesium	2310	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Manganese	198	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Nickel	17.5	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Potassium	1100	0.22	0.542		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Selenium	U	0.22	0.542		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Silver	U	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Sodium	95.3	0.22	0.542		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Thallium	0.717	0.33	0.542		mg/Kg-dry	1	7/10/2012 10:01:50 AM
Vanadium	21.1	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:05:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-07B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	218	0.11	0.434		mg/Kg-dry	1	7/10/2012 10:01:50 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
1,2-Dichlorobenzene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
1,3-Dichlorobenzene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
1,4-Dichlorobenzene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2,3,4,6-Tetrachlorophenol	U	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
2,4,5-Trichlorophenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2,4,6-Trichlorophenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2,4-Dichlorophenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2,4-Dimethylphenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2,4-Dinitrophenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2,4-Dinitrotoluene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2,6-Dinitrotoluene	U	56.5	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2-Chloronaphthalene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2-Chlorophenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2-Methylnaphthalene	160	28.3	280	J	µg/Kg-dry	1	7/13/2012 10:38:00 PM
2-Methylphenol	U	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
2-Nitroaniline	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
2-Nitrophenol	U	56.5	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
3,3´-Dichlorobenzidine	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
3+4-Methylphenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
3-Nitroaniline	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
4,6-Dinitro-2-methylphenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
4-Bromophenyl phenyl ether	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
4-Chloro-3-methylphenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
4-Chloroaniline	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
4-Chlorophenyl phenyl ether	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
4-Nitroaniline	U	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
4-Nitrophenol	U	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
Acenaphthene	1800	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Acenaphthylene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:05:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-07B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Aniline	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Anthracene	8400	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Atrazine	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Azobenzene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzaldehyde	U	56.5	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzidine	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzo(a)anthracene	3500	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzo(a)pyrene	2800	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzo(b)fluoranthene	2400	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzo(g,h,i)perylene	1300	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzo(k)fluoranthene	2400	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzoic acid	U	56.5	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
Benzyl alcohol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Biphenyl	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Bis(2-chloroethoxy)methane	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Bis(2-chloroethyl)ether	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Bis(2-chloroisopropyl)ether	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Bis(2-ethylhexyl)phthalate	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Butyl benzyl phthalate	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Caprolactam	U	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
Carbazole	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Chrysene	3400	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Dibenzo(a,h)anthracene	570	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Dibenzofuran	710	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Diethyl phthalate	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Dimethyl phthalate	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Di-n-butyl phthalate	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Di-n-octyl phthalate	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Fluoranthene	8400	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Fluorene	1100	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Hexachlorobenzene	U	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
Hexachlorobutadiene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:05:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-07B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	56.5	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Hexachloroethane	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Indeno(1,2,3-c,d)pyrene	1600	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
Isophorone	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Naphthalene	470	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Nitrobenzene	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
N-Nitrosodimethylamine	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
N-Nitrosodi-n-propylamine	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
N-Nitrosodiphenylamine	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Parathion	U	56.5	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Pentachlorophenol	U	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
Phenanthrene	8300	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Phenol	U	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Pyrene	8000	28.3	280		µg/Kg-dry	1	7/13/2012 10:38:00 PM
Pyridine	U	28.3	280	C	µg/Kg-dry	1	7/13/2012 10:38:00 PM
Surr: 2,4,6-Tribromophenol	64.6	0	21-119		%REC	1	7/13/2012 10:38:00 PM
Surr: 2-Fluorobiphenyl	71.2	0	21-117		%REC	1	7/13/2012 10:38:00 PM
Surr: 2-Fluorophenol	31.9	0	11-105		%REC	1	7/13/2012 10:38:00 PM
Surr: 4-Terphenyl-d14	60.6	0	21-132		%REC	1	7/13/2012 10:38:00 PM
Surr: Nitrobenzene-d5	44.6	0	18-116		%REC	1	7/13/2012 10:38:00 PM
Surr: Phenol-d6	45.4	0	12-110		%REC	1	7/13/2012 10:38:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:15:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-08A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,1,1-Trichloroethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,1,2,2-Tetrachloroethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,1,2-Trichloroethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,1-Dichloroethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,1-Dichloroethene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,1-Dichloropropene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2,3-Trichlorobenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2,3-Trichloropropane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2,4,5-Tetramethylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2,4-Trichlorobenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2,4-Trimethylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2-Dibromo-3-chloropropane	U	0.53	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2-Dibromoethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2-Dichlorobenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2-Dichloroethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,2-Dichloropropane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,3,5-Trimethylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,3-Dichlorobenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,3-dichloropropane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,4-Dichlorobenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
1,4-Dioxane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
2,2-Dichloropropane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
2-Butanone	U	1.33	5.3		µg/Kg-dry	1	7/11/2012 1:32:00 PM
2-Chloroethyl vinyl ether	U	0.53	2.1	C	µg/Kg-dry	1	7/11/2012 1:32:00 PM
2-Chlorotoluene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
2-Hexanone	U	1.33	5.3		µg/Kg-dry	1	7/11/2012 1:32:00 PM
2-Propanol	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
4-Chlorotoluene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
4-Isopropyltoluene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
4-Methyl-2-pentanone	U	1.33	5.3	C	µg/Kg-dry	1	7/11/2012 1:32:00 PM
Acetone	U	1.33	5.3		µg/Kg-dry	1	7/11/2012 1:32:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:15:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-08A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.30	11		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Acrylonitrile	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Benzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Bromobenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Bromochloromethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Bromodichloromethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Bromoform	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Bromomethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Carbon disulfide	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Carbon tetrachloride	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Chlorobenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Chlorodifluoromethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Chloroethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Chloroform	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Chloromethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
cis-1,2-Dichloroethene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
cis-1,3-Dichloropropene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Dibromochloromethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Dibromomethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Dichlorodifluoromethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Diisopropyl ether	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Ethanol	U	2.65	5.3		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Ethyl acetate	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Ethylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Freon-114	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Hexachlorobutadiene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Isopropyl acetate	U	1.06	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Isopropylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
m,p-Xylene	U	0.53	4.2		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Methyl Acetate	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Methyl tert-butyl ether	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Methylene chloride	8.3	0.27	2.1	B	µg/Kg-dry	1	7/11/2012 1:32:00 PM
n-Amyl acetate	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:15:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-08A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
n-Butyl acetate	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
n-Butylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
n-Propyl acetate	U	0.53	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
n-Propylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
o-Xylene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
p-Diethylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
p-Ethyltoluene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
sec-Butylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Styrene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
t-Butyl alcohol	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
tert-Butylbenzene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Tetrachloroethene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Toluene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
trans-1,2-Dichloroethene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
trans-1,3-Dichloropropene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Trichloroethene	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Trichlorofluoromethane	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Vinyl acetate	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Vinyl chloride	U	0.27	2.1		µg/Kg-dry	1	7/11/2012 1:32:00 PM
Surr: 4-Bromofluorobenzene	95.6	0	42-133		%REC	1	7/11/2012 1:32:00 PM
Surr: Dibromofluoromethane	91.7	0	50-133		%REC	1	7/11/2012 1:32:00 PM
Surr: Toluene-d8	104	0	53-130		%REC	1	7/11/2012 1:32:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:15:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-08B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	1.37	0.05	0.0977		mg/Kg-dry	10	7/10/2012 4:22:58 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Aroclor 1221	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Aroclor 1232	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Aroclor 1242	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Aroclor 1248	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Aroclor 1254	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Aroclor 1260	6.6	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Aroclor 1262	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Aroclor 1268	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 7:22:00 PM
Surr: TCX	77.2	0	17-151		%REC	1	7/13/2012 7:22:00 PM
Surr: DCB	90.3	0	16-152		%REC	1	7/13/2012 7:22:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	1.7	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 1:31:00 PM
4,4´-DDE	4.4	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 1:31:00 PM
4,4´-DDT	4.1	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Aldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Chlordane	U	0.27	0.54		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Dieldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Endosulfan sulfate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Endrin ketone	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:15:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-08B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Heptachlor epoxide	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Toxaphene	U	2.69	5.4		µg/Kg-dry	1	7/16/2012 1:31:00 PM
Surr: DCB	109	0	23-157		%REC	1	7/16/2012 1:31:00 PM
Surr: TCX	96.5	0	21-151		%REC	1	7/16/2012 1:31:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	8.60	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	4290	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Antimony	U	0.22	0.541		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Arsenic	1.94	0.22	0.541		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Barium	34.1	0.22	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Beryllium	U	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Cadmium	0.133	0.11	0.432	J	mg/Kg-dry	1	7/10/2012 10:03:52 AM
Calcium	1160	0.22	0.541		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Chromium	10.4	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Cobalt	U	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Copper	15.4	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Iron	13100	2.16	4.32		mg/Kg-dry	10	7/10/2012 11:14:06 AM
Lead	34.1	0.22	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Magnesium	1710	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Manganese	200	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Nickel	11.3	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Potassium	709	0.22	0.541		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Selenium	U	0.22	0.541		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Silver	U	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Sodium	73.3	0.22	0.541		mg/Kg-dry	1	7/10/2012 10:03:52 AM
Thallium	0.534	0.32	0.541	J	mg/Kg-dry	1	7/10/2012 10:03:52 AM
Vanadium	19.1	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:15:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-08B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	53.0	0.11	0.432		mg/Kg-dry	1	7/10/2012 10:03:52 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
1,2-Dichlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
1,3-Dichlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
1,4-Dichlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2,3,4,6-Tetrachlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2,4,5-Trichlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2,4,6-Trichlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2,4-Dichlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2,4-Dimethylphenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2,4-Dinitrophenol	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
2,4-Dinitrotoluene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2,6-Dinitrotoluene	U	53.8	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2-Chloronaphthalene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2-Chlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2-Methylnaphthalene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2-Methylphenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2-Nitroaniline	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
2-Nitrophenol	U	53.8	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
3,3´-Dichlorobenzidine	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
3+4-Methylphenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
3-Nitroaniline	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
4,6-Dinitro-2-methylphenol	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
4-Bromophenyl phenyl ether	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
4-Chloro-3-methylphenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
4-Chloroaniline	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
4-Chlorophenyl phenyl ether	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
4-Nitroaniline	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
4-Nitrophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Acenaphthene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Acenaphthylene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:15:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-08B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Aniline	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Anthracene	33	26.9	270	J	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Atrazine	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Azobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzaldehyde	U	53.8	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzidine	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzo(a)anthracene	200	26.9	270	J	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzo(a)pyrene	240	26.9	270	J	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzo(b)fluoranthene	180	26.9	270	J	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzo(g,h,i)perylene	130	26.9	270	J	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzo(k)fluoranthene	200	26.9	270	J	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzoic acid	U	53.8	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Benzyl alcohol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Biphenyl	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Bis(2-chloroethoxy)methane	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Bis(2-chloroethyl)ether	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Bis(2-chloroisopropyl)ether	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Bis(2-ethylhexyl)phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Butyl benzyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Caprolactam	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Carbazole	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Chrysene	300	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Dibenzo(a,h)anthracene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Dibenzofuran	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Diethyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Dimethyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Di-n-butyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Di-n-octyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Fluoranthene	500	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Fluorene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Hexachlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Hexachlorobutadiene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012 9:15:00 AM
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-08B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	53.8	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Hexachloroethane	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Indeno(1,2,3-c,d)pyrene	110	26.9	270	J	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Isophorone	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Naphthalene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Nitrobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
N-Nitrosodimethylamine	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
N-Nitrosodi-n-propylamine	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
N-Nitrosodiphenylamine	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Parathion	U	53.8	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Pentachlorophenol	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 12:39:00 AM
Phenanthrene	290	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Phenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Pyrene	370	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Pyridine	U	26.9	270		µg/Kg-dry	1	7/14/2012 12:39:00 AM
Surr: 2,4,6-Tribromophenol	71.9	0	21-119		%REC	1	7/14/2012 12:39:00 AM
Surr: 2-Fluorobiphenyl	104	0	21-117		%REC	1	7/14/2012 12:39:00 AM
Surr: 2-Fluorophenol	39.3	0	11-105		%REC	1	7/14/2012 12:39:00 AM
Surr: 4-Terphenyl-d14	98.5	0	21-132		%REC	1	7/14/2012 12:39:00 AM
Surr: Nitrobenzene-d5	74.3	0	18-116		%REC	1	7/14/2012 12:39:00 AM
Surr: Phenol-d6	58.9	0	12-110		%REC	1	7/14/2012 12:39:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-09A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2,4,5-Tetramethylbenzene	12	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2,4-Trimethylbenzene	0.72	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2-Dibromo-3-chloropropane	U	0.56	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,3,5-Trimethylbenzene	0.46	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
2-Butanone	U	1.4	5.6		µg/Kg-dry	1	7/11/2012 1:55:00 PM
2-Chloroethyl vinyl ether	U	0.56	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
2-Hexanone	U	1.4	5.6		µg/Kg-dry	1	7/11/2012 1:55:00 PM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
4-Isopropyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
4-Methyl-2-pentanone	U	1.4	5.6		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Acetone	20	1.4	5.6		µg/Kg-dry	1	7/11/2012 1:55:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-09A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5.6	11		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Benzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Chloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Ethanol	U	2.8	5.6		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Ethylbenzene	0.93	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Isopropyl acetate	U	1.12	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Isopropylbenzene	0.99	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
m,p-Xylene	0.90	0.56	4.5	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Methylene chloride	8.7	0.28	2.2	B	µg/Kg-dry	1	7/11/2012 1:55:00 PM
n-Amyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-09A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	1.2	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
n-Butyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
n-Butylbenzene	0.41	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
n-Propyl acetate	U	0.56	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
n-Propylbenzene	2.7	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
o-Xylene	0.45	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
p-Diethylbenzene	1.7	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
p-Ethyltoluene	0.60	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
sec-Butylbenzene	0.58	0.28	2.2	J	µg/Kg-dry	1	7/11/2012 1:55:00 PM
Styrene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Tetrachloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Toluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Trichlorofluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Vinyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 1:55:00 PM
Surr: 4-Bromofluorobenzene	93.5	0	42-133		%REC	1	7/11/2012 1:55:00 PM
Surr: Dibromofluoromethane	88.4	0	50-133		%REC	1	7/11/2012 1:55:00 PM
Surr: Toluene-d8	103	0	53-130		%REC	1	7/11/2012 1:55:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-09B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0650	0.005	0.00977		mg/Kg-dry	1	7/10/2012 3:40:06 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Aroclor 1221	U	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Aroclor 1232	U	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Aroclor 1242	U	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Aroclor 1248	U	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Aroclor 1254	U	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Aroclor 1260	6.9	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Aroclor 1262	U	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Aroclor 1268	U	1.4	2.8		µg/Kg-dry	1	7/13/2012 8:33:00 PM
Surr: TCX	85.4	0	17-151		%REC	1	7/13/2012 8:33:00 PM
Surr: DCB	96.8	0	16-152		%REC	1	7/13/2012 8:33:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	2.3	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 2:48:00 PM
4,4´-DDE	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
4,4´-DDT	0.86	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Aldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Chlordane	U	0.28	0.56		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Dieldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Endosulfan sulfate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Endrin ketone	0.72	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-09B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Heptachlor epoxide	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Toxaphene	U	2.8	5.6		µg/Kg-dry	1	7/16/2012 2:48:00 PM
Surr: DCB	90.3	0	23-157		%REC	1	7/16/2012 2:48:00 PM
Surr: TCX	158	0	21-151	S	%REC	1	7/16/2012 2:48:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	11.0	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	5770	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Antimony	U	0.22	0.553		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Arsenic	2.34	0.22	0.553		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Barium	49.9	0.22	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Beryllium	U	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Cadmium	0.162	0.11	0.443	J	mg/Kg-dry	1	7/10/2012 10:13:22 AM
Calcium	3890	0.22	0.553		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Chromium	13.4	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Cobalt	U	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Copper	18.6	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Iron	13300	2.21	4.43		mg/Kg-dry	10	7/10/2012 11:16:09 AM
Lead	42.7	0.22	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Magnesium	1910	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Manganese	191	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Nickel	12.6	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Potassium	721	0.22	0.553		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Selenium	U	0.22	0.553		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Silver	U	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Sodium	163	0.22	0.553		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Thallium	0.660	0.33	0.553		mg/Kg-dry	1	7/10/2012 10:13:22 AM
Vanadium	18.7	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-09B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	48.7	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:13:22 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
1,2-Dichlorobenzene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
1,3-Dichlorobenzene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
1,4-Dichlorobenzene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2,3,4,6-Tetrachlorophenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2,4,5-Trichlorophenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2,4,6-Trichlorophenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2,4-Dichlorophenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2,4-Dimethylphenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2,4-Dinitrophenol	U	28	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
2,4-Dinitrotoluene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2,6-Dinitrotoluene	U	55.9	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2-Chloronaphthalene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2-Chlorophenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2-Methylnaphthalene	29	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
2-Methylphenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2-Nitroaniline	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
2-Nitrophenol	U	55.9	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
3,3'-Dichlorobenzidine	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
3+4-Methylphenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
3-Nitroaniline	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
4,6-Dinitro-2-methylphenol	U	28	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
4-Bromophenyl phenyl ether	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
4-Chloro-3-methylphenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
4-Chloroaniline	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
4-Chlorophenyl phenyl ether	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
4-Nitroaniline	U	28	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
4-Nitrophenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Acenaphthene	94	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Acenaphthylene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-09B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Aniline	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Anthracene	34	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Atrazine	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Azobenzene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzaldehyde	U	55.9	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzidine	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzo(a)anthracene	200	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzo(a)pyrene	260	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzo(b)fluoranthene	170	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzo(g,h,i)perylene	170	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzo(k)fluoranthene	190	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzoic acid	U	55.9	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Benzyl alcohol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Biphenyl	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Bis(2-chloroethoxy)methane	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Bis(2-chloroethyl)ether	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Bis(2-chloroisopropyl)ether	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Bis(2-ethylhexyl)phthalate	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Butyl benzyl phthalate	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Caprolactam	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Carbazole	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Chrysene	260	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Dibenzo(a,h)anthracene	53	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Dibenzofuran	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Diethyl phthalate	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Dimethyl phthalate	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Di-n-butyl phthalate	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Di-n-octyl phthalate	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Fluoranthene	420	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Fluorene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Hexachlorobenzene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Hexachlorobutadiene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-09B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	55.9	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Hexachloroethane	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Indeno(1,2,3-c,d)pyrene	200	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Isophorone	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Naphthalene	48	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Nitrobenzene	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
N-Nitrosodimethylamine	U	28	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
N-Nitrosodi-n-propylamine	U	28	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
N-Nitrosodiphenylamine	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Parathion	U	55.9	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Pentachlorophenol	U	28	280	C	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Phenanthrene	140	28	280	J	µg/Kg-dry	1	7/14/2012 1:03:00 AM
Phenol	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Pyrene	320	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Pyridine	U	28	280		µg/Kg-dry	1	7/14/2012 1:03:00 AM
Surr: 2,4,6-Tribromophenol	75.9	0	21-119		%REC	1	7/14/2012 1:03:00 AM
Surr: 2-Fluorobiphenyl	100	0	21-117		%REC	1	7/14/2012 1:03:00 AM
Surr: 2-Fluorophenol	34.3	0	11-105		%REC	1	7/14/2012 1:03:00 AM
Surr: 4-Terphenyl-d14	96.4	0	21-132		%REC	1	7/14/2012 1:03:00 AM
Surr: Nitrobenzene-d5	74.1	0	18-116		%REC	1	7/14/2012 1:03:00 AM
Surr: Phenol-d6	56.7	0	12-110		%REC	1	7/14/2012 1:03:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-10A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,1,1-Trichloroethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,1,2,2-Tetrachloroethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,1,2-Trichloroethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,1-Dichloroethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,1-Dichloroethene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,1-Dichloropropene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2,3-Trichlorobenzene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2,3-Trichloropropane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2,4,5-Tetramethylbenzene	59	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2,4-Trichlorobenzene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2,4-Trimethylbenzene	1.5	0.30	2.4	J	µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2-Dibromo-3-chloropropane	U	0.61	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2-Dibromoethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2-Dichlorobenzene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2-Dichloroethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,2-Dichloropropane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,3,5-Trimethylbenzene	3.2	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,3-Dichlorobenzene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,3-dichloropropane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,4-Dichlorobenzene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
1,4-Dioxane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
2,2-Dichloropropane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
2-Butanone	U	1.52	6.1		µg/Kg-dry	1	7/11/2012 2:19:00 PM
2-Chloroethyl vinyl ether	U	0.61	2.4	C	µg/Kg-dry	1	7/11/2012 2:19:00 PM
2-Chlorotoluene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
2-Hexanone	U	1.52	6.1		µg/Kg-dry	1	7/11/2012 2:19:00 PM
2-Propanol	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
4-Chlorotoluene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
4-Isopropyltoluene	2.3	0.30	2.4	J	µg/Kg-dry	1	7/11/2012 2:19:00 PM
4-Methyl-2-pentanone	U	1.52	6.1	C	µg/Kg-dry	1	7/11/2012 2:19:00 PM
Acetone	U	1.52	6.1		µg/Kg-dry	1	7/11/2012 2:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-10A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	6.09	12		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Acrylonitrile	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Benzene	40	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Bromobenzene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Bromochloromethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Bromodichloromethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Bromoform	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Bromomethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Carbon disulfide	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Carbon tetrachloride	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Chlorobenzene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Chlorodifluoromethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Chloroethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Chloroform	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Chloromethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
cis-1,2-Dichloroethene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
cis-1,3-Dichloropropene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Dibromochloromethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Dibromomethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Dichlorodifluoromethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Diisopropyl ether	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Ethanol	U	3.04	6.1		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Ethyl acetate	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Ethylbenzene	61	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Freon-114	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Hexachlorobutadiene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Isopropyl acetate	U	1.22	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Isopropylbenzene	42	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
m,p-Xylene	27	0.61	4.9		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Methyl Acetate	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Methyl tert-butyl ether	1.3	0.30	2.4	J	µg/Kg-dry	1	7/11/2012 2:19:00 PM
Methylene chloride	11	0.30	2.4	B	µg/Kg-dry	1	7/11/2012 2:19:00 PM
n-Amyl acetate	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-10A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	47	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
n-Butyl acetate	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
n-Butylbenzene	17	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
n-Propyl acetate	U	0.61	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
n-Propylbenzene	130	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
o-Xylene	1.5	0.30	2.4	J	µg/Kg-dry	1	7/11/2012 2:19:00 PM
p-Diethylbenzene	24	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
p-Ethyltoluene	12	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
sec-Butylbenzene	9.6	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Styrene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
t-Butyl alcohol	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
tert-Butylbenzene	0.35	0.30	2.4	J	µg/Kg-dry	1	7/11/2012 2:19:00 PM
Tetrachloroethene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Toluene	2.0	0.30	2.4	J	µg/Kg-dry	1	7/11/2012 2:19:00 PM
trans-1,2-Dichloroethene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
trans-1,3-Dichloropropene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Trichloroethene	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Trichlorofluoromethane	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Vinyl acetate	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Vinyl chloride	U	0.30	2.4		µg/Kg-dry	1	7/11/2012 2:19:00 PM
Surr: 4-Bromofluorobenzene	101	0	42-133		%REC	1	7/11/2012 2:19:00 PM
Surr: Dibromofluoromethane	89.8	0	50-133		%REC	1	7/11/2012 2:19:00 PM
Surr: Toluene-d8	100	0	53-130		%REC	1	7/11/2012 2:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-10B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0298	0.006	0.0122		mg/Kg-dry	1	7/10/2012 3:42:15 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Aroclor 1221	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Aroclor 1232	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Aroclor 1242	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Aroclor 1248	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Aroclor 1254	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Aroclor 1260	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Aroclor 1262	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Aroclor 1268	U	1.55	3.1		µg/Kg-dry	1	7/13/2012 8:56:00 PM
Surr: TCX	82.5	0	17-151		%REC	1	7/13/2012 8:56:00 PM
Surr: DCB	92.2	0	16-152		%REC	1	7/13/2012 8:56:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
4,4´-DDE	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
4,4´-DDT	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Aldrin	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
alpha-BHC	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
beta-BHC	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Chlordane	U	0.31	0.62		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Chlorobenzilate	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
DBCP	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
delta-BHC	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Dieldrin	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Endosulfan I	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Endosulfan II	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Endosulfan sulfate	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Endrin	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Endrin aldehyde	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Endrin ketone	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
gamma-BHC	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-10B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Heptachlor epoxide	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Hexachlorobenzene	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Hexachlorocyclopentadiene	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Methoxychlor	U	0.12	0.25		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Toxaphene	U	3.11	6.2		µg/Kg-dry	1	7/16/2012 3:02:00 PM
Surr: DCB	137	0	23-157		%REC	1	7/16/2012 3:02:00 PM
Surr: TCX	106	0	21-151		%REC	1	7/16/2012 3:02:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	20.2	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	3600	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Antimony	U	0.24	0.589		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Arsenic	1.00	0.24	0.589		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Barium	31.3	0.24	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Beryllium	U	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Cadmium	U	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Calcium	1190	0.24	0.589		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Chromium	8.72	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Cobalt	U	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Copper	7.87	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Iron	7040	2.36	4.71		mg/Kg-dry	10	7/10/2012 11:18:11 AM
Lead	14.7	0.24	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Magnesium	1070	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Manganese	48.5	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Nickel	6.84	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Potassium	334	0.24	0.589		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Selenium	U	0.24	0.589		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Silver	U	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Sodium	173	0.24	0.589		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Thallium	U	0.35	0.589		mg/Kg-dry	1	7/10/2012 10:15:24 AM
Vanadium	11.3	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-10B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	16.2	0.12	0.471		mg/Kg-dry	1	7/10/2012 10:15:24 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
1,2-Dichlorobenzene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
1,3-Dichlorobenzene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
1,4-Dichlorobenzene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2,3,4,6-Tetrachlorophenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2,4,5-Trichlorophenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2,4,6-Trichlorophenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2,4-Dichlorophenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2,4-Dimethylphenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2,4-Dinitrophenol	U	31.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
2,4-Dinitrotoluene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2,6-Dinitrotoluene	U	62.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2-Chloronaphthalene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2-Chlorophenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2-Methylnaphthalene	280	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
2-Methylphenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2-Nitroaniline	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
2-Nitrophenol	U	62.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
3,3´-Dichlorobenzidine	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
3+4-Methylphenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
3-Nitroaniline	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
4,6-Dinitro-2-methylphenol	U	31.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
4-Bromophenyl phenyl ether	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
4-Chloro-3-methylphenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
4-Chloroaniline	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
4-Chlorophenyl phenyl ether	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
4-Nitroaniline	U	31.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
4-Nitrophenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Acenaphthene	66	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Acenaphthylene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-10B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Aniline	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Anthracene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Atrazine	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Azobenzene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzaldehyde	U	62.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzidine	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzo(a)anthracene	110	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzo(a)pyrene	100	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzo(b)fluoranthene	130	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzo(g,h,i)perylene	66	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzo(k)fluoranthene	140	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzoic acid	120	62.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Benzyl alcohol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Biphenyl	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Bis(2-chloroethoxy)methane	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Bis(2-chloroethyl)ether	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Bis(2-chloroisopropyl)ether	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Bis(2-ethylhexyl)phthalate	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Butyl benzyl phthalate	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Caprolactam	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Carbazole	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Chrysene	130	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Dibenzo(a,h)anthracene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Dibenzofuran	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Diethyl phthalate	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Dimethyl phthalate	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Di-n-butyl phthalate	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Di-n-octyl phthalate	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Fluoranthene	190	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Fluorene	57	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Hexachlorobenzene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Hexachlorobutadiene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-2 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-10B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	62.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Hexachloroethane	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Indeno(1,2,3-c,d)pyrene	63	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Isophorone	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Naphthalene	1100	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Nitrobenzene	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
N-Nitrosodimethylamine	U	31.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
N-Nitrosodi-n-propylamine	U	31.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
N-Nitrosodiphenylamine	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Parathion	U	62.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Pentachlorophenol	U	31.1	310	C	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Phenanthrene	190	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Phenol	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Pyrene	140	31.1	310	J	µg/Kg-dry	1	7/14/2012 1:27:00 AM
Pyridine	U	31.1	310		µg/Kg-dry	1	7/14/2012 1:27:00 AM
Surr: 2,4,6-Tribromophenol	83.4	0	21-119		%REC	1	7/14/2012 1:27:00 AM
Surr: 2-Fluorobiphenyl	101	0	21-117		%REC	1	7/14/2012 1:27:00 AM
Surr: 2-Fluorophenol	43.4	0	11-105		%REC	1	7/14/2012 1:27:00 AM
Surr: 4-Terphenyl-d14	98.8	0	21-132		%REC	1	7/14/2012 1:27:00 AM
Surr: Nitrobenzene-d5	87.2	0	18-116		%REC	1	7/14/2012 1:27:00 AM
Surr: Phenol-d6	60.9	0	12-110		%REC	1	7/14/2012 1:27:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-11A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,1,1-Trichloroethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,1,2,2-Tetrachloroethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,1,2-Trichloroethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,1-Dichloroethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,1-Dichloroethene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,1-Dichloropropene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2,3-Trichlorobenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2,3-Trichloropropane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2,4,5-Tetramethylbenzene	0.56	0.28	2.3	J	µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2,4-Trichlorobenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2,4-Trimethylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2-Dibromo-3-chloropropane	U	0.56	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2-Dibromoethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2-Dichlorobenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2-Dichloroethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,2-Dichloropropane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,3,5-Trimethylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,3-Dichlorobenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,3-dichloropropane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,4-Dichlorobenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
1,4-Dioxane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
2,2-Dichloropropane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
2-Butanone	U	1.41	5.6		µg/Kg-dry	1	7/11/2012 2:42:00 PM
2-Chloroethyl vinyl ether	U	0.56	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
2-Chlorotoluene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
2-Hexanone	U	1.41	5.6		µg/Kg-dry	1	7/11/2012 2:42:00 PM
2-Propanol	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
4-Chlorotoluene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
4-Isopropyltoluene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
4-Methyl-2-pentanone	U	1.41	5.6		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Acetone	U	1.41	5.6		µg/Kg-dry	1	7/11/2012 2:42:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-11A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5.63	11		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Acrylonitrile	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Benzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Bromobenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Bromochloromethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Bromodichloromethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Bromoform	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Bromomethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Carbon disulfide	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Carbon tetrachloride	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Chlorobenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Chlorodifluoromethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Chloroethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Chloroform	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Chloromethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
cis-1,2-Dichloroethene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
cis-1,3-Dichloropropene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Dibromochloromethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Dibromomethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Dichlorodifluoromethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Diisopropyl ether	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Ethanol	U	2.82	5.6		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Ethyl acetate	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Ethylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Freon-114	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Hexachlorobutadiene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Isopropyl acetate	U	1.13	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Isopropylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
m,p-Xylene	U	0.56	4.5		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Methyl Acetate	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Methyl tert-butyl ether	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Methylene chloride	10	0.28	2.3	B	µg/Kg-dry	1	7/11/2012 2:42:00 PM
n-Amyl acetate	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-11A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	1.5	0.28	2.3	J	µg/Kg-dry	1	7/11/2012 2:42:00 PM
n-Butyl acetate	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
n-Butylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
n-Propyl acetate	U	0.56	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
n-Propylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
o-Xylene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
p-Diethylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
p-Ethyltoluene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
sec-Butylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Styrene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
t-Butyl alcohol	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
tert-Butylbenzene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Tetrachloroethene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Toluene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
trans-1,2-Dichloroethene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
trans-1,3-Dichloropropene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Trichloroethene	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Trichlorofluoromethane	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Vinyl acetate	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Vinyl chloride	U	0.28	2.3		µg/Kg-dry	1	7/11/2012 2:42:00 PM
Surr: 4-Bromofluorobenzene	93.7	0	42-133		%REC	1	7/11/2012 2:42:00 PM
Surr: Dibromofluoromethane	87.4	0	50-133		%REC	1	7/11/2012 2:42:00 PM
Surr: Toluene-d8	98.8	0	53-130		%REC	1	7/11/2012 2:42:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-11B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.115	0.005	0.0109		mg/Kg-dry	1	7/10/2012 3:44:24 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Aroclor 1221	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Aroclor 1232	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Aroclor 1242	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Aroclor 1248	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Aroclor 1254	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Aroclor 1260	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Aroclor 1262	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Aroclor 1268	U	1.38	2.8		µg/Kg-dry	1	7/13/2012 9:20:00 PM
Surr: TCX	83.4	0	17-151		%REC	1	7/13/2012 9:20:00 PM
Surr: DCB	88.7	0	16-152		%REC	1	7/13/2012 9:20:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
4,4´-DDE	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
4,4´-DDT	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Aldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Chlordane	U	0.28	0.55		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Dieldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Endosulfan sulfate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Endrin ketone	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-11B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Heptachlor epoxide	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Toxaphene	U	2.77	5.5		µg/Kg-dry	1	7/16/2012 3:22:00 PM
Surr: DCB	113	0	23-157		%REC	1	7/16/2012 3:22:00 PM
Surr: TCX	113	0	21-151		%REC	1	7/16/2012 3:22:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	11.0	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	4680	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Antimony	U	0.22	0.558		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Arsenic	2.05	0.22	0.558		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Barium	38.6	0.22	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Beryllium	U	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Cadmium	U	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Calcium	4120	0.22	0.558		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Chromium	12.0	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Cobalt	U	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Copper	17.8	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Iron	12900	2.23	4.46		mg/Kg-dry	10	7/10/2012 11:20:13 AM
Lead	38.6	0.22	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Magnesium	2230	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Manganese	176	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Nickel	14.3	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Potassium	1050	0.22	0.558		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Selenium	U	0.22	0.558		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Silver	U	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Sodium	105	0.22	0.558		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Thallium	0.674	0.33	0.558		mg/Kg-dry	1	7/10/2012 10:17:26 AM
Vanadium	17.8	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-11B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	42.5	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:17:26 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
1,2-Dichlorobenzene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
1,3-Dichlorobenzene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
1,4-Dichlorobenzene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2,3,4,6-Tetrachlorophenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2,4,5-Trichlorophenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2,4,6-Trichlorophenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2,4-Dichlorophenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2,4-Dimethylphenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2,4-Dinitrophenol	U	27.7	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
2,4-Dinitrotoluene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2,6-Dinitrotoluene	U	55.3	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2-Chloronaphthalene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2-Chlorophenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2-Methylnaphthalene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2-Methylphenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2-Nitroaniline	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
2-Nitrophenol	U	55.3	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
3,3´-Dichlorobenzidine	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
3+4-Methylphenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
3-Nitroaniline	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
4,6-Dinitro-2-methylphenol	U	27.7	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
4-Bromophenyl phenyl ether	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
4-Chloro-3-methylphenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
4-Chloroaniline	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
4-Chlorophenyl phenyl ether	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
4-Nitroaniline	U	27.7	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
4-Nitrophenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Acenaphthene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Acenaphthylene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-11B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Aniline	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Anthracene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Atrazine	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Azobenzene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzaldehyde	U	55.3	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzidine	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzo(a)anthracene	190	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzo(a)pyrene	200	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzo(b)fluoranthene	210	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzo(g,h,i)perylene	130	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzo(k)fluoranthene	230	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzoic acid	U	55.3	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Benzyl alcohol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Biphenyl	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Bis(2-chloroethoxy)methane	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Bis(2-chloroethyl)ether	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Bis(2-chloroisopropyl)ether	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Bis(2-ethylhexyl)phthalate	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Butyl benzyl phthalate	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Caprolactam	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Carbazole	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Chrysene	200	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Dibenzo(a,h)anthracene	35	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Dibenzofuran	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Diethyl phthalate	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Dimethyl phthalate	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Di-n-butyl phthalate	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Di-n-octyl phthalate	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Fluoranthene	410	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Fluorene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Hexachlorobenzene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Hexachlorobutadiene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-11B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	55.3	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Hexachloroethane	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Indeno(1,2,3-c,d)pyrene	140	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Isophorone	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Naphthalene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Nitrobenzene	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
N-Nitrosodimethylamine	U	27.7	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
N-Nitrosodi-n-propylamine	U	27.7	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
N-Nitrosodiphenylamine	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Parathion	U	55.3	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Pentachlorophenol	U	27.7	280	C	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Phenanthrene	110	27.7	280	J	µg/Kg-dry	1	7/14/2012 1:51:00 AM
Phenol	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Pyrene	290	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Pyridine	U	27.7	280		µg/Kg-dry	1	7/14/2012 1:51:00 AM
Surr: 2,4,6-Tribromophenol	79.4	0	21-119		%REC	1	7/14/2012 1:51:00 AM
Surr: 2-Fluorobiphenyl	107	0	21-117		%REC	1	7/14/2012 1:51:00 AM
Surr: 2-Fluorophenol	44.9	0	11-105		%REC	1	7/14/2012 1:51:00 AM
Surr: 4-Terphenyl-d14	103	0	21-132		%REC	1	7/14/2012 1:51:00 AM
Surr: Nitrobenzene-d5	80.5	0	18-116		%REC	1	7/14/2012 1:51:00 AM
Surr: Phenol-d6	76.2	0	12-110		%REC	1	7/14/2012 1:51:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-12A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2,4,5-Tetramethylbenzene	1900	34.6	280		µg/Kg-dry	125	7/11/2012 3:06:00 PM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2,4-Trimethylbenzene	7.2	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2-Dibromo-3-chloropropane	U	0.55	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,3,5-Trimethylbenzene	4.9	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
2-Butanone	U	1.39	5.5		µg/Kg-dry	1	7/12/2012 12:52:00 PM
2-Chloroethyl vinyl ether	U	0.55	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
2-Hexanone	U	1.39	5.5		µg/Kg-dry	1	7/12/2012 12:52:00 PM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
4-Isopropyltoluene	9.9	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
4-Methyl-2-pentanone	U	1.39	5.5		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Acetone	U	1.39	5.5		µg/Kg-dry	1	7/12/2012 12:52:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-12A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5.54	11		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Benzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Chloroethane	U	0.28	2.2	C	µg/Kg-dry	1	7/12/2012 12:52:00 PM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Ethanol	U	2.77	5.5		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Ethylbenzene	1.6	0.28	2.2	J	µg/Kg-dry	1	7/12/2012 12:52:00 PM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Isopropyl acetate	U	1.11	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Isopropylbenzene	12	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
m,p-Xylene	0.98	0.55	4.4	J	µg/Kg-dry	1	7/12/2012 12:52:00 PM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Methylene chloride	11	0.28	2.2	B	µg/Kg-dry	1	7/12/2012 12:52:00 PM
n-Amyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-12A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	160	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
n-Butyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
n-Butylbenzene	95	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
n-Propyl acetate	U	0.55	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
n-Propylbenzene	88	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
o-Xylene	0.63	0.28	2.2	J	µg/Kg-dry	1	7/12/2012 12:52:00 PM
p-Diethylbenzene	75	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
p-Ethyltoluene	8.7	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
sec-Butylbenzene	25	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Styrene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Tetrachloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Toluene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Trichlorofluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Vinyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 12:52:00 PM
Surr: 4-Bromofluorobenzene	105	0	42-133		%REC	1	7/12/2012 12:52:00 PM
Surr: 4-Bromofluorobenzene	99.9	0	42-133		%REC	125	7/11/2012 3:06:00 PM
Surr: Dibromofluoromethane	91.1	0	50-133		%REC	1	7/12/2012 12:52:00 PM
Surr: Dibromofluoromethane	99.6	0	50-133		%REC	125	7/11/2012 3:06:00 PM
Surr: Toluene-d8	101	0	53-130		%REC	125	7/11/2012 3:06:00 PM
Surr: Toluene-d8	101	0	53-130		%REC	1	7/12/2012 12:52:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-12B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0229	0.005	0.0102		mg/Kg-dry	1	7/10/2012 3:46:32 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 9:43:00 PM
Aroclor 1221	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 9:43:00 PM
Aroclor 1232	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 9:43:00 PM
Aroclor 1242	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 9:43:00 PM
Aroclor 1248	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 9:43:00 PM
Aroclor 1254	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 9:43:00 PM
Aroclor 1260	1.9	1.33	2.7	J	µg/Kg-dry	1	7/13/2012 9:43:00 PM
Aroclor 1262	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 9:43:00 PM
Aroclor 1268	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 9:43:00 PM
Surr: TCX	99.1	0	17-151		%REC	1	7/13/2012 9:43:00 PM
Surr: DCB	86.9	0	16-152		%REC	1	7/13/2012 9:43:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
4,4´-DDE	0.69	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
4,4´-DDT	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Aldrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
alpha-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
beta-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Chlordane	U	0.27	0.53		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Chlorobenzilate	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
DBCP	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
delta-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Dieldrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Endosulfan I	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Endosulfan II	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Endosulfan sulfate	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Endrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Endrin aldehyde	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Endrin ketone	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
gamma-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-12B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Heptachlor epoxide	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Hexachlorobenzene	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Hexachlorocyclopentadiene	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Methoxychlor	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Toxaphene	U	2.67	5.3		µg/Kg-dry	1	7/16/2012 3:36:00 PM
Surr: DCB	116	0	23-157		%REC	1	7/16/2012 3:36:00 PM
Surr: TCX	121	0	21-151		%REC	1	7/16/2012 3:36:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	9.79	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	2980	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Antimony	U	0.22	0.539		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Arsenic	1.20	0.22	0.539		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Barium	18.4	0.22	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Beryllium	U	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Cadmium	U	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Calcium	777	0.22	0.539		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Chromium	10.1	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Cobalt	U	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Copper	13.5	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Iron	10700	2.16	4.31		mg/Kg-dry	10	7/10/2012 11:22:15 AM
Lead	30.2	0.22	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Magnesium	1360	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Manganese	76.5	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Nickel	8.52	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Potassium	646	0.22	0.539		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Selenium	U	0.22	0.539		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Silver	U	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Sodium	62.2	0.22	0.539		mg/Kg-dry	1	7/10/2012 10:19:28 AM
Thallium	0.444	0.32	0.539	J	mg/Kg-dry	1	7/10/2012 10:19:28 AM
Vanadium	13.4	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-12B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	37.7	0.11	0.431		mg/Kg-dry	1	7/10/2012 10:19:28 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
1,2-Dichlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
1,3-Dichlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
1,4-Dichlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2,3,4,6-Tetrachlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2,4,5-Trichlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2,4,6-Trichlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2,4-Dichlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2,4-Dimethylphenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2,4-Dinitrophenol	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
2,4-Dinitrotoluene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2,6-Dinitrotoluene	U	53.4	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2-Chloronaphthalene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2-Chlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2-Methylnaphthalene	1300	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2-Methylphenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2-Nitroaniline	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
2-Nitrophenol	U	53.4	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
3,3'-Dichlorobenzidine	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
3+4-Methylphenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
3-Nitroaniline	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
4,6-Dinitro-2-methylphenol	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
4-Bromophenyl phenyl ether	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
4-Chloro-3-methylphenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
4-Chloroaniline	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
4-Chlorophenyl phenyl ether	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
4-Nitroaniline	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
4-Nitrophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Acenaphthene	76	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Acenaphthylene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-12B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Aniline	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Anthracene	460	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Atrazine	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Azobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzaldehyde	U	53.4	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzidine	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzo(a)anthracene	73	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzo(a)pyrene	76	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzo(b)fluoranthene	120	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzo(g,h,i)perylene	52	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzo(k)fluoranthene	130	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzoic acid	110	53.4	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Benzyl alcohol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Biphenyl	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Bis(2-chloroethoxy)methane	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Bis(2-chloroethyl)ether	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Bis(2-chloroisopropyl)ether	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Bis(2-ethylhexyl)phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Butyl benzyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Caprolactam	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Carbazole	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Chrysene	110	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Dibenzo(a,h)anthracene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Dibenzofuran	45	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Diethyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Dimethyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Di-n-butyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Di-n-octyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Fluoranthene	280	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Fluorene	210	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Hexachlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Hexachlorobutadiene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-3 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-12B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	53.4	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Hexachloroethane	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Indeno(1,2,3-c,d)pyrene	54	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Isophorone	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Naphthalene	980	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Nitrobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
N-Nitrosodimethylamine	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
N-Nitrosodi-n-propylamine	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
N-Nitrosodiphenylamine	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Parathion	U	53.4	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Pentachlorophenol	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Phenanthrene	460	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Phenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Pyrene	200	26.7	270	J	µg/Kg-dry	1	7/14/2012 2:15:00 AM
Pyridine	U	26.7	270		µg/Kg-dry	1	7/14/2012 2:15:00 AM
Surr: 2,4,6-Tribromophenol	90.7	0	21-119		%REC	1	7/14/2012 2:15:00 AM
Surr: 2-Fluorobiphenyl	105	0	21-117		%REC	1	7/14/2012 2:15:00 AM
Surr: 2-Fluorophenol	67.6	0	11-105		%REC	1	7/14/2012 2:15:00 AM
Surr: 4-Terphenyl-d14	104	0	21-132		%REC	1	7/14/2012 2:15:00 AM
Surr: Nitrobenzene-d5	84.0	0	18-116		%REC	1	7/14/2012 2:15:00 AM
Surr: Phenol-d6	78.7	0	12-110		%REC	1	7/14/2012 2:15:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-13A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,1,1-Trichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,1,2,2-Tetrachloroethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,1,2-Trichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,1-Dichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,1-Dichloroethene	U	0.27	2.2	C	µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,1-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2,3-Trichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2,3-Trichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2,4,5-Tetramethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2,4-Trichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2,4-Trimethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2-Dibromo-3-chloropropane	U	0.55	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2-Dibromoethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2-Dichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,2-Dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,3,5-Trimethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,3-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,3-dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,4-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
1,4-Dioxane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
2,2-Dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
2-Butanone	U	1.37	5.5		µg/Kg-dry	1	7/12/2012 5:17:00 PM
2-Chloroethyl vinyl ether	U	0.55	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
2-Chlorotoluene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
2-Hexanone	U	1.37	5.5		µg/Kg-dry	1	7/12/2012 5:17:00 PM
2-Propanol	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
4-Chlorotoluene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
4-Isopropyltoluene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
4-Methyl-2-pentanone	U	1.37	5.5		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Acetone	U	1.37	5.5		µg/Kg-dry	1	7/12/2012 5:17:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-13A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.5	11		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Acrylonitrile	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Benzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Bromobenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Bromochloromethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Bromodichloromethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Bromoform	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Bromomethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Carbon disulfide	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Carbon tetrachloride	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Chlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Chlorodifluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Chloroethane	U	0.27	2.2	C	µg/Kg-dry	1	7/12/2012 5:17:00 PM
Chloroform	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Chloromethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
cis-1,2-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
cis-1,3-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Dibromochloromethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Dibromomethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Dichlorodifluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Diisopropyl ether	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Ethanol	U	2.75	5.5		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Ethyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Ethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Freon-114	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Hexachlorobutadiene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Isopropyl acetate	U	1.1	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Isopropylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
m,p-Xylene	U	0.55	4.4		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Methyl Acetate	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Methyl tert-butyl ether	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Methylene chloride	9.0	0.27	2.2	B	µg/Kg-dry	1	7/12/2012 5:17:00 PM
n-Amyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-13A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
n-Butyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
n-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
n-Propyl acetate	U	0.55	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
n-Propylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
o-Xylene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
p-Diethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
p-Ethyltoluene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
sec-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Styrene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
t-Butyl alcohol	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
tert-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Tetrachloroethene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Toluene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
trans-1,2-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
trans-1,3-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Trichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Trichlorofluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Vinyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Vinyl chloride	U	0.27	2.2		µg/Kg-dry	1	7/12/2012 5:17:00 PM
Surr: 4-Bromofluorobenzene	92.1	0	42-133		%REC	1	7/12/2012 5:17:00 PM
Surr: Dibromofluoromethane	88.0	0	50-133		%REC	1	7/12/2012 5:17:00 PM
Surr: Toluene-d8	101	0	53-130		%REC	1	7/12/2012 5:17:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-13B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0666	0.005	0.0103		mg/Kg-dry	1	7/10/2012 3:52:54 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Aroclor 1221	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Aroclor 1232	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Aroclor 1242	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Aroclor 1248	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Aroclor 1254	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Aroclor 1260	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Aroclor 1262	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Aroclor 1268	U	1.36	2.7		µg/Kg-dry	1	7/13/2012 10:07:00 PM
Surr: TCX	74.7	0	17-151		%REC	1	7/13/2012 10:07:00 PM
Surr: DCB	91.2	0	16-152		%REC	1	7/13/2012 10:07:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
4,4´-DDE	0.61	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
4,4´-DDT	2.2	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Aldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Chlordane	U	0.27	0.55		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Dieldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Endosulfan sulfate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Endrin ketone	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-13B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Heptachlor epoxide	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Toxaphene	U	2.73	5.5		µg/Kg-dry	1	7/16/2012 3:50:00 PM
Surr: DCB	138	0	23-157		%REC	1	7/16/2012 3:50:00 PM
Surr: TCX	115	0	21-151		%REC	1	7/16/2012 3:50:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	10.3	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	4960	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Antimony	U	0.22	0.557		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Arsenic	4.06	0.22	0.557		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Barium	43.7	0.22	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Beryllium	U	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Cadmium	0.229	0.11	0.446	J	mg/Kg-dry	1	7/10/2012 10:21:30 AM
Calcium	1010	0.22	0.557		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Chromium	13.1	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Cobalt	U	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Copper	14.1	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Iron	14100	2.23	4.46		mg/Kg-dry	10	7/10/2012 11:24:17 AM
Lead	68.0	0.22	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Magnesium	1950	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Manganese	235	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Nickel	14.7	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Potassium	941	0.22	0.557		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Selenium	U	0.22	0.557		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Silver	U	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Sodium	151	0.22	0.557		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Thallium	U	0.33	0.557		mg/Kg-dry	1	7/10/2012 10:21:30 AM
Vanadium	22.6	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-13B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	58.6	0.11	0.446		mg/Kg-dry	1	7/10/2012 10:21:30 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
1,2-Dichlorobenzene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
1,3-Dichlorobenzene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
1,4-Dichlorobenzene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2,3,4,6-Tetrachlorophenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2,4,5-Trichlorophenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2,4,6-Trichlorophenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2,4-Dichlorophenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2,4-Dimethylphenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2,4-Dinitrophenol	U	27.3	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
2,4-Dinitrotoluene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2,6-Dinitrotoluene	U	54.6	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2-Chloronaphthalene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2-Chlorophenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2-Methylnaphthalene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2-Methylphenol	33	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
2-Nitroaniline	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
2-Nitrophenol	U	54.6	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
3,3'-Dichlorobenzidine	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
3+4-Methylphenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
3-Nitroaniline	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
4,6-Dinitro-2-methylphenol	U	27.3	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
4-Bromophenyl phenyl ether	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
4-Chloro-3-methylphenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
4-Chloroaniline	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
4-Chlorophenyl phenyl ether	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
4-Nitroaniline	U	27.3	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
4-Nitrophenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Acenaphthene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Acenaphthylene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-13B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Aniline	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Anthracene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Atrazine	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Azobenzene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzaldehyde	U	54.6	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzidine	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzo(a)anthracene	59	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzo(a)pyrene	58	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzo(b)fluoranthene	62	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzo(g,h,i)perylene	42	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzo(k)fluoranthene	68	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzoic acid	U	54.6	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Benzyl alcohol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Biphenyl	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Bis(2-chloroethoxy)methane	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Bis(2-chloroethyl)ether	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Bis(2-chloroisopropyl)ether	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Bis(2-ethylhexyl)phthalate	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Butyl benzyl phthalate	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Caprolactam	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Carbazole	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Chrysene	66	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Dibenzo(a,h)anthracene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Dibenzofuran	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Diethyl phthalate	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Dimethyl phthalate	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Di-n-butyl phthalate	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Di-n-octyl phthalate	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Fluoranthene	150	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Fluorene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Hexachlorobenzene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Hexachlorobutadiene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-13B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	54.6	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Hexachloroethane	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Indeno(1,2,3-c,d)pyrene	48	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Isophorone	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Naphthalene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Nitrobenzene	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
N-Nitrosodimethylamine	U	27.3	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
N-Nitrosodi-n-propylamine	U	27.3	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
N-Nitrosodiphenylamine	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Parathion	U	54.6	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Pentachlorophenol	U	27.3	270	C	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Phenanthrene	49	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Phenol	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Pyrene	110	27.3	270	J	µg/Kg-dry	1	7/14/2012 2:39:00 AM
Pyridine	U	27.3	270		µg/Kg-dry	1	7/14/2012 2:39:00 AM
Surr: 2,4,6-Tribromophenol	79.9	0	21-119		%REC	1	7/14/2012 2:39:00 AM
Surr: 2-Fluorobiphenyl	84.4	0	21-117		%REC	1	7/14/2012 2:39:00 AM
Surr: 2-Fluorophenol	86.6	0	11-105		%REC	1	7/14/2012 2:39:00 AM
Surr: 4-Terphenyl-d14	103	0	21-132		%REC	1	7/14/2012 2:39:00 AM
Surr: Nitrobenzene-d5	68.9	0	18-116		%REC	1	7/14/2012 2:39:00 AM
Surr: Phenol-d6	101	0	12-110		%REC	1	7/14/2012 2:39:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-14A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2,4,5-Tetramethylbenzene	0.92	0.28	2.2	J	µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2,4-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2-Dibromo-3-chloropropane	U	0.56	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,3,5-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
2-Butanone	U	1.4	5.6		µg/Kg-dry	1	7/12/2012 5:41:00 PM
2-Chloroethyl vinyl ether	U	0.56	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
2-Hexanone	U	1.4	5.6		µg/Kg-dry	1	7/12/2012 5:41:00 PM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
4-Isopropyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
4-Methyl-2-pentanone	U	1.4	5.6		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Acetone	U	1.4	5.6		µg/Kg-dry	1	7/12/2012 5:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-14A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.6	11		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Benzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Chloroethane	U	0.28	2.2	C	µg/Kg-dry	1	7/12/2012 5:41:00 PM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Ethanol	U	2.8	5.6		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Ethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Isopropyl acetate	U	1.12	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Isopropylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
m,p-Xylene	U	0.56	4.5		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Methylene chloride	11	0.28	2.2	B	µg/Kg-dry	1	7/12/2012 5:41:00 PM
n-Amyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-14A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
n-Butyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
n-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
n-Propyl acetate	U	0.56	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
n-Propylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
o-Xylene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
p-Diethylbenzene	0.36	0.28	2.2	J	µg/Kg-dry	1	7/12/2012 5:41:00 PM
p-Ethyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
sec-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Styrene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Tetrachloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Toluene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Trichlorofluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Vinyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	7/12/2012 5:41:00 PM
Surr: 4-Bromofluorobenzene	91.2	0	42-133		%REC	1	7/12/2012 5:41:00 PM
Surr: Dibromofluoromethane	92.8	0	50-133		%REC	1	7/12/2012 5:41:00 PM
Surr: Toluene-d8	102	0	53-130		%REC	1	7/12/2012 5:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-14B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0962	0.005	0.0109		mg/Kg-dry	1	7/10/2012 3:55:03 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Aroclor 1221	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Aroclor 1232	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Aroclor 1242	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Aroclor 1248	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Aroclor 1254	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Aroclor 1260	10	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Aroclor 1262	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Aroclor 1268	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:31:00 PM
Surr: TCX	88.0	0	17-151		%REC	1	7/13/2012 10:31:00 PM
Surr: DCB	94.9	0	16-152		%REC	1	7/13/2012 10:31:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4'-DDD	1.2	0.11	0.21	P	µg/Kg-dry	1	7/16/2012 4:04:00 PM
4,4'-DDE	0.67	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
4,4'-DDT	2.4	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Aldrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
alpha-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
beta-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Chlordane	U	0.27	0.53		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Chlorobenzilate	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
DBCP	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
delta-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Dieldrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Endosulfan I	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Endosulfan II	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Endosulfan sulfate	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Endrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Endrin aldehyde	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Endrin ketone	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
gamma-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-14B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Heptachlor epoxide	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Hexachlorobenzene	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Hexachlorocyclopentadiene	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Methoxychlor	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Toxaphene	U	2.66	5.3		µg/Kg-dry	1	7/16/2012 4:04:00 PM
Surr: DCB	111	0	23-157		%REC	1	7/16/2012 4:04:00 PM
Surr: TCX	106	0	21-151		%REC	1	7/16/2012 4:04:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	9.79	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	5150	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Antimony	U	0.22	0.554		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Arsenic	2.45	0.22	0.554		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Barium	86.4	0.22	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Beryllium	U	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Cadmium	0.240	0.11	0.443	J	mg/Kg-dry	1	7/10/2012 10:23:32 AM
Calcium	9710	0.22	0.554		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Chromium	14.0	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Cobalt	U	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Copper	19.5	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Iron	13200	2.22	4.43		mg/Kg-dry	10	7/10/2012 11:26:18 AM
Lead	59.4	0.22	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Magnesium	3720	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Manganese	170	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Nickel	13.7	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Potassium	1280	0.22	0.554		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Selenium	U	0.22	0.554		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Silver	U	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Sodium	202	0.22	0.554		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Thallium	1.10	0.33	0.554		mg/Kg-dry	1	7/10/2012 10:23:32 AM
Vanadium	17.6	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-14B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	69.8	0.11	0.443		mg/Kg-dry	1	7/10/2012 10:23:32 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
1,2-Dichlorobenzene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
1,3-Dichlorobenzene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
1,4-Dichlorobenzene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2,3,4,6-Tetrachlorophenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2,4,5-Trichlorophenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2,4,6-Trichlorophenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2,4-Dichlorophenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2,4-Dimethylphenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2,4-Dinitrophenol	U	26.6	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
2,4-Dinitrotoluene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2,6-Dinitrotoluene	U	53.1	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2-Chloronaphthalene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2-Chlorophenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2-Methylnaphthalene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2-Methylphenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2-Nitroaniline	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
2-Nitrophenol	U	53.1	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
3,3´-Dichlorobenzidine	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
3+4-Methylphenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
3-Nitroaniline	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
4,6-Dinitro-2-methylphenol	U	26.6	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
4-Bromophenyl phenyl ether	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
4-Chloro-3-methylphenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
4-Chloroaniline	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
4-Chlorophenyl phenyl ether	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
4-Nitroaniline	U	26.6	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
4-Nitrophenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Acenaphthene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Acenaphthylene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-14B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Aniline	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Anthracene	210	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Atrazine	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Azobenzene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzaldehyde	U	53.1	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzidine	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzo(a)anthracene	150	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzo(a)pyrene	150	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzo(b)fluoranthene	100	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzo(g,h,i)perylene	110	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzo(k)fluoranthene	140	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzoic acid	U	53.1	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Benzyl alcohol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Biphenyl	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Bis(2-chloroethoxy)methane	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Bis(2-chloroethyl)ether	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Bis(2-chloroisopropyl)ether	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Bis(2-ethylhexyl)phthalate	470	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Butyl benzyl phthalate	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Caprolactam	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Carbazole	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Chrysene	150	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Dibenzo(a,h)anthracene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Dibenzofuran	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Diethyl phthalate	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Dimethyl phthalate	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Di-n-butyl phthalate	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Di-n-octyl phthalate	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Fluoranthene	400	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Fluorene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Hexachlorobenzene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Hexachlorobutadiene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-4 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-14B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	53.1	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Hexachloroethane	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Indeno(1,2,3-c,d)pyrene	91	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Isophorone	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Naphthalene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Nitrobenzene	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
N-Nitrosodimethylamine	U	26.6	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
N-Nitrosodi-n-propylamine	U	26.6	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
N-Nitrosodiphenylamine	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Parathion	U	53.1	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Pentachlorophenol	U	26.6	270	C	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Phenanthrene	210	26.6	270	J	µg/Kg-dry	1	7/14/2012 3:03:00 AM
Phenol	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Pyrene	280	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Pyridine	U	26.6	270		µg/Kg-dry	1	7/14/2012 3:03:00 AM
Surr: 2,4,6-Tribromophenol	83.9	0	21-119		%REC	1	7/14/2012 3:03:00 AM
Surr: 2-Fluorobiphenyl	95.2	0	21-117		%REC	1	7/14/2012 3:03:00 AM
Surr: 2-Fluorophenol	109	0	11-105	S	%REC	1	7/14/2012 3:03:00 AM
Surr: 4-Terphenyl-d14	101	0	21-132		%REC	1	7/14/2012 3:03:00 AM
Surr: Nitrobenzene-d5	95.1	0	18-116		%REC	1	7/14/2012 3:03:00 AM
Surr: Phenol-d6	110	0	12-110	S	%REC	1	7/14/2012 3:03:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-15A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,1,1-Trichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,1,2,2-Tetrachloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,1,2-Trichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,1-Dichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,1-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,1-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2,3-Trichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2,3-Trichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2,4,5-Tetramethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2,4-Trichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2,4-Trimethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2-Dibromo-3-chloropropane	U	0.54	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2-Dibromoethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2-Dichloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,2-Dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,3,5-Trimethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,3-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,3-dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,4-Dichlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
1,4-Dioxane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
2,2-Dichloropropane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
2-Butanone	U	1.35	5.4		µg/Kg-dry	1	7/11/2012 4:17:00 PM
2-Chloroethyl vinyl ether	U	0.54	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
2-Chlorotoluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
2-Hexanone	U	1.35	5.4		µg/Kg-dry	1	7/11/2012 4:17:00 PM
2-Propanol	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
4-Chlorotoluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
4-Isopropyltoluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
4-Methyl-2-pentanone	U	1.35	5.4		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Acetone	U	1.35	5.4		µg/Kg-dry	1	7/11/2012 4:17:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

ACCREDITED IN ACCORDANCE WITH nelac

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-15A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.38	11		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Acrylonitrile	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Benzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Bromobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Bromochloromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Bromodichloromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Bromoform	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Bromomethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Carbon disulfide	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Carbon tetrachloride	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Chlorobenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Chlorodifluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Chloroethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Chloroform	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Chloromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
cis-1,2-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
cis-1,3-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Dibromochloromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Dibromomethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Dichlorodifluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Diisopropyl ether	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Ethanol	U	2.69	5.4		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Ethyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Ethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Freon-114	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Hexachlorobutadiene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Isopropyl acetate	U	1.08	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Isopropylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
m,p-Xylene	U	0.54	4.3		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Methyl Acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Methyl tert-butyl ether	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Methylene chloride	11	0.27	2.2	B	µg/Kg-dry	1	7/11/2012 4:17:00 PM
n-Amyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-15A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
n-Butyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
n-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
n-Propyl acetate	U	0.54	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
n-Propylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
o-Xylene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
p-Diethylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
p-Ethyltoluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
sec-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Styrene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
t-Butyl alcohol	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
tert-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Tetrachloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Toluene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
trans-1,2-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
trans-1,3-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Trichloroethene	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Trichlorofluoromethane	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Vinyl acetate	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Vinyl chloride	U	0.27	2.2		µg/Kg-dry	1	7/11/2012 4:17:00 PM
Surr: 4-Bromofluorobenzene	93.6	0	42-133		%REC	1	7/11/2012 4:17:00 PM
Surr: Dibromofluoromethane	88.8	0	50-133		%REC	1	7/11/2012 4:17:00 PM
Surr: Toluene-d8	102	0	53-130		%REC	1	7/11/2012 4:17:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-15B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0437	0.005	0.00994		mg/Kg-dry	1	7/10/2012 3:57:19 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Aroclor 1221	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Aroclor 1232	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Aroclor 1242	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Aroclor 1248	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Aroclor 1254	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Aroclor 1260	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Aroclor 1262	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Aroclor 1268	U	1.33	2.7		µg/Kg-dry	1	7/13/2012 10:54:00 PM
Surr: TCX	71.9	0	17-151		%REC	1	7/13/2012 10:54:00 PM
Surr: DCB	82.5	0	16-152		%REC	1	7/13/2012 10:54:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4´-DDD	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
4,4´-DDE	0.33	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
4,4´-DDT	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Aldrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
alpha-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
beta-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Chlordane	U	0.27	0.53		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Chlorobenzilate	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
DBCP	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
delta-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Dieldrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Endosulfan I	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Endosulfan II	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Endosulfan sulfate	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Endrin	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Endrin aldehyde	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Endrin ketone	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
gamma-BHC	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-15B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Heptachlor epoxide	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Hexachlorobenzene	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Hexachlorocyclopentadiene	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Methoxychlor	U	0.11	0.21		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Toxaphene	U	2.67	5.3		µg/Kg-dry	1	7/16/2012 4:19:00 PM
Surr: DCB	112	0	23-157		%REC	1	7/16/2012 4:19:00 PM
Surr: TCX	98.1	0	21-151		%REC	1	7/16/2012 4:19:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	8.56	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	3840	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Antimony	U	0.22	0.547		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Arsenic	2.15	0.22	0.547		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Barium	37.9	0.22	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Beryllium	U	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Cadmium	U	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Calcium	2350	0.22	0.547		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Chromium	11.4	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Cobalt	U	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Copper	11.8	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Iron	11300	2.19	4.37		mg/Kg-dry	10	7/10/2012 11:28:20 AM
Lead	25.3	0.22	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Magnesium	2450	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Manganese	195	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Nickel	16.3	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Potassium	1280	0.22	0.547		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Selenium	U	0.22	0.547		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Silver	U	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Sodium	128	0.22	0.547		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Thallium	0.933	0.33	0.547		mg/Kg-dry	1	7/10/2012 10:25:32 AM
Vanadium	17.4	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-15B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	41.0	0.11	0.437		mg/Kg-dry	1	7/10/2012 10:25:32 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
1,2-Dichlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
1,3-Dichlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
1,4-Dichlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2,3,4,6-Tetrachlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2,4,5-Trichlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2,4,6-Trichlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2,4-Dichlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2,4-Dimethylphenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2,4-Dinitrophenol	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
2,4-Dinitrotoluene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2,6-Dinitrotoluene	U	53.4	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2-Chloronaphthalene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2-Chlorophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2-Methylnaphthalene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2-Methylphenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2-Nitroaniline	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
2-Nitrophenol	U	53.4	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
3,3'-Dichlorobenzidine	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
3+4-Methylphenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
3-Nitroaniline	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
4,6-Dinitro-2-methylphenol	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
4-Bromophenyl phenyl ether	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
4-Chloro-3-methylphenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
4-Chloroaniline	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
4-Chlorophenyl phenyl ether	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
4-Nitroaniline	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
4-Nitrophenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Acenaphthene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Acenaphthylene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-15B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Aniline	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Anthracene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Atrazine	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Azobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzaldehyde	U	53.4	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzidine	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzo(a)anthracene	77	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzo(a)pyrene	75	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzo(b)fluoranthene	120	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzo(g,h,i)perylene	38	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzo(k)fluoranthene	130	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzoic acid	U	53.4	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Benzyl alcohol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Biphenyl	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Bis(2-chloroethoxy)methane	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Bis(2-chloroethyl)ether	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Bis(2-chloroisopropyl)ether	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Bis(2-ethylhexyl)phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Butyl benzyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Caprolactam	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Carbazole	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Chrysene	79	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Dibenzo(a,h)anthracene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Dibenzofuran	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Diethyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Dimethyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Di-n-butyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Di-n-octyl phthalate	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Fluoranthene	220	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Fluorene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Hexachlorobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Hexachlorobutadiene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (0-2')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-15B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	53.4	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Hexachloroethane	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Indeno(1,2,3-c,d)pyrene	60	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Isophorone	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Naphthalene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Nitrobenzene	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
N-Nitrosodimethylamine	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
N-Nitrosodi-n-propylamine	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
N-Nitrosodiphenylamine	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Parathion	U	53.4	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Pentachlorophenol	U	26.7	270	C	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Phenanthrene	120	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Phenol	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Pyrene	160	26.7	270	J	µg/Kg-dry	1	7/14/2012 3:28:00 AM
Pyridine	U	26.7	270		µg/Kg-dry	1	7/14/2012 3:28:00 AM
Surr: 2,4,6-Tribromophenol	71.9	0	21-119		%REC	1	7/14/2012 3:28:00 AM
Surr: 2-Fluorobiphenyl	75.9	0	21-117		%REC	1	7/14/2012 3:28:00 AM
Surr: 2-Fluorophenol	79.6	0	11-105		%REC	1	7/14/2012 3:28:00 AM
Surr: 4-Terphenyl-d14	95.6	0	21-132		%REC	1	7/14/2012 3:28:00 AM
Surr: Nitrobenzene-d5	72.9	0	18-116		%REC	1	7/14/2012 3:28:00 AM
Surr: Phenol-d6	81.1	0	12-110		%REC	1	7/14/2012 3:28:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-16A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2,4,5-Tetramethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2,4-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2-Dibromo-3-chloropropane	U	0.56	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,3,5-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
2-Butanone	U	1.39	5.6		µg/Kg-dry	1	7/11/2012 4:41:00 PM
2-Chloroethyl vinyl ether	U	0.56	2.2	C	µg/Kg-dry	1	7/11/2012 4:41:00 PM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
2-Hexanone	U	1.39	5.6		µg/Kg-dry	1	7/11/2012 4:41:00 PM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
4-Isopropyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
4-Methyl-2-pentanone	U	1.39	5.6	C	µg/Kg-dry	1	7/11/2012 4:41:00 PM
Acetone	U	1.39	5.6		µg/Kg-dry	1	7/11/2012 4:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-16A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.55	11		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Benzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Chloroethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Ethanol	U	2.78	5.6		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Ethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Isopropyl acetate	U	1.11	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Isopropylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
m,p-Xylene	U	0.56	4.4		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Methylene chloride	9.8	0.28	2.2	B	µg/Kg-dry	1	7/11/2012 4:41:00 PM
n-Amyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-16A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
n-Butyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
n-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
n-Propyl acetate	U	0.56	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
n-Propylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
o-Xylene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
p-Diethylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
p-Ethyltoluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
sec-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Styrene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Tetrachloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Toluene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Trichlorofluoromethane	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Vinyl acetate	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	7/11/2012 4:41:00 PM
Surr: 4-Bromofluorobenzene	91.9	0	42-133		%REC	1	7/11/2012 4:41:00 PM
Surr: Dibromofluoromethane	86.6	0	50-133		%REC	1	7/11/2012 4:41:00 PM
Surr: Toluene-d8	101	0	53-130		%REC	1	7/11/2012 4:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-16B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0857	0.006	0.0111		mg/Kg-dry	1	7/10/2012 3:59:27 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3550C**		Analyst: **SB**
Aroclor 1016	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Aroclor 1221	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Aroclor 1232	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Aroclor 1242	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Aroclor 1248	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Aroclor 1254	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Aroclor 1260	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Aroclor 1262	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Aroclor 1268	U	1.35	2.7		µg/Kg-dry	1	7/13/2012 11:18:00 PM
Surr: TCX	104	0	17-151		%REC	1	7/13/2012 11:18:00 PM
Surr: DCB	108	0	16-152		%REC	1	7/13/2012 11:18:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
4,4'-DDD	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
4,4'-DDE	2.9	0.11	0.22	P	µg/Kg-dry	1	7/16/2012 4:33:00 PM
4,4'-DDT	5.6	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Aldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
alpha-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
beta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Chlordane	U	0.27	0.54		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Chlorobenzilate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
DBCP	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
delta-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Dieldrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Endosulfan I	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Endosulfan II	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Endosulfan sulfate	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Endrin	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Endrin aldehyde	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Endrin ketone	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
gamma-BHC	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-16B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3550C**		Analyst: **SB**
Heptachlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Heptachlor epoxide	0.52	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Hexachlorobenzene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Hexachlorocyclopentadiene	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Methoxychlor	U	0.11	0.22		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Toxaphene	U	2.69	5.4		µg/Kg-dry	1	7/16/2012 4:33:00 PM
Surr: DCB	137	0	23-157		%REC	1	7/16/2012 4:33:00 PM
Surr: TCX	127	0	21-151		%REC	1	7/16/2012 4:33:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	9.61	0	0		wt%	1	7/9/2012
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	5650	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Antimony	U	0.21	0.524		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Arsenic	2.02	0.21	0.524		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Barium	44.1	0.21	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Beryllium	U	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Cadmium	U	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Calcium	2760	0.21	0.524		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Chromium	13.3	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Cobalt	U	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Copper	17.0	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Iron	14800	2.1	4.19		mg/Kg-dry	10	7/10/2012 11:30:22 AM
Lead	32.7	0.21	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Magnesium	1960	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Manganese	251	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Nickel	12.9	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Potassium	883	0.21	0.524		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Selenium	U	0.21	0.524		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Silver	0.154	0.10	0.419	J	mg/Kg-dry	1	7/10/2012 10:27:34 AM
Sodium	76.4	0.21	0.524		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Thallium	0.690	0.31	0.524		mg/Kg-dry	1	7/10/2012 10:27:34 AM
Vanadium	20.8	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-16B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TARGET ANALYTE LIST METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Zinc	46.3	0.10	0.419		mg/Kg-dry	1	7/10/2012 10:27:34 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
1,2-Dichlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
1,3-Dichlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
1,4-Dichlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2,3,4,6-Tetrachlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2,4,5-Trichlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2,4,6-Trichlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2,4-Dichlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2,4-Dimethylphenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2,4-Dinitrophenol	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
2,4-Dinitrotoluene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2,6-Dinitrotoluene	U	53.8	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2-Chloronaphthalene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2-Chlorophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2-Methylnaphthalene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2-Methylphenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2-Nitroaniline	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
2-Nitrophenol	U	53.8	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
3,3'-Dichlorobenzidine	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
3+4-Methylphenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
3-Nitroaniline	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
4,6-Dinitro-2-methylphenol	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
4-Bromophenyl phenyl ether	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
4-Chloro-3-methylphenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
4-Chloroaniline	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
4-Chlorophenyl phenyl ether	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
4-Nitroaniline	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
4-Nitrophenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Acenaphthene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Acenaphthylene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-16B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Acetophenone	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Aniline	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Anthracene	260	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Atrazine	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Azobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzaldehyde	U	53.8	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzidine	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzo(a)anthracene	260	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzo(a)pyrene	240	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzo(b)fluoranthene	200	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzo(g,h,i)perylene	160	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzo(k)fluoranthene	220	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzoic acid	U	53.8	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Benzyl alcohol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Biphenyl	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Bis(2-chloroethoxy)methane	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Bis(2-chloroethyl)ether	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Bis(2-chloroisopropyl)ether	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Bis(2-ethylhexyl)phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Butyl benzyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Caprolactam	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Carbazole	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Chrysene	220	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Dibenzo(a,h)anthracene	32	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Dibenzofuran	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Diethyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Dimethyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Di-n-butyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Di-n-octyl phthalate	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Fluoranthene	580	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Fluorene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Hexachlorobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Hexachlorobutadiene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	B-5 (5-8')
Lab Order:	1207066	**Collection Date:**	7/6/2012
Project:	10504 Flatlands Ave., Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1207066-16B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Hexachlorocyclopentadiene	U	53.8	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Hexachloroethane	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Indeno(1,2,3-c,d)pyrene	140	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Isophorone	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Naphthalene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Nitrobenzene	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
N-Nitrosodimethylamine	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
N-Nitrosodi-n-propylamine	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
N-Nitrosodiphenylamine	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Parathion	U	53.8	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Pentachlorophenol	U	26.9	270	C	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Phenanthrene	260	26.9	270	J	µg/Kg-dry	1	7/14/2012 3:52:00 AM
Phenol	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Pyrene	440	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Pyridine	U	26.9	270		µg/Kg-dry	1	7/14/2012 3:52:00 AM
Surr: 2,4,6-Tribromophenol	71.6	0	21-119		%REC	1	7/14/2012 3:52:00 AM
Surr: 2-Fluorobiphenyl	88.4	0	21-117		%REC	1	7/14/2012 3:52:00 AM
Surr: 2-Fluorophenol	82.8	0	11-105		%REC	1	7/14/2012 3:52:00 AM
Surr: 4-Terphenyl-d14	88.6	0	21-132		%REC	1	7/14/2012 3:52:00 AM
Surr: Nitrobenzene-d5	72.8	0	18-116		%REC	1	7/14/2012 3:52:00 AM
Surr: Phenol-d6	85.6	0	12-110		%REC	1	7/14/2012 3:52:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DRY_TAL_MET

Sample ID: **MBS070912A** SampType: **MBLK** TestCode: **DRY_TAL_M** Units: **mg/Kg** Prep Date: **7/9/2012** RunNo: **64211**
Client ID: **PBS** Batch ID: **36435** TestNo: **SW6010C** **SW3050B** Analysis Date: **7/10/2012** SeqNo: **907263**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.400									
Antimony	U	0.500									
Arsenic	U	0.500									
Barium	U	0.400									
Beryllium	U	0.400									
Cadmium	U	0.400									
Calcium	U	0.500									
Chromium	U	0.400									
Cobalt	U	0.400									
Copper	U	0.400									
Iron	U	0.400									
Lead	U	0.400									
Magnesium	U	0.400									
Manganese	U	0.400									
Nickel	U	0.400									
Potassium	U	0.500									
Selenium	U	0.500									
Silver	U	0.400									
Sodium	U	0.500									
Thallium	U	0.500									
Vanadium	U	0.400									
Zinc	U	0.400									

Sample ID: **LCSS070912A** SampType: **LCS** TestCode: **DRY_TAL_M** Units: **mg/Kg** Prep Date: **7/9/2012** RunNo: **64211**
Client ID: **LCSS** Batch ID: **36435** TestNo: **SW6010C** **SW3050B** Analysis Date: **7/10/2012** SeqNo: **907339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	42.5	0.400	40.00	0	106	80	120				
Antimony	43.3	0.500	40.00	0	108	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DRY_TAL_MET

Sample ID: **LCSS070912A** SampType: **LCS** TestCode: **DRY_TAL_M** Units: **mg/Kg** Prep Date: **7/9/2012** RunNo: **64211**
Client ID: **LCSS** Batch ID: **36435** TestNo: **SW6010C** **SW3050B** Analysis Date: **7/10/2012** SeqNo: **907339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.0	0.500	40.00	0	95.1	80	120				
Barium	40.7	0.400	40.00	0	102	80	120				
Beryllium	41.3	0.400	40.00	0	103	80	120				
Cadmium	39.5	0.400	40.00	0	98.7	80	120				
Calcium	41.3	0.500	40.00	0	103	80	120				
Chromium	41.8	0.400	40.00	0	105	80	120				
Cobalt	40.9	0.400	40.00	0	102	80	120				
Copper	41.7	0.400	40.00	0	104	80	120				
Iron	41.5	0.400	40.00	0	104	80	120				
Lead	41.0	0.400	40.00	0	102	80	120				
Magnesium	42.1	0.400	40.00	0	105	80	120				
Manganese	41.0	0.400	40.00	0	103	80	120				
Nickel	40.3	0.400	40.00	0	101	80	120				
Potassium	410	0.500	400.0	0	102	80	120				
Selenium	40.7	0.500	40.00	0	102	80	120				
Silver	41.0	0.400	40.00	0	103	80	120				
Sodium	42.4	0.500	40.00	0	106	80	120				
Thallium	40.5	0.500	40.00	0	101	80	120				
Vanadium	42.1	0.400	40.00	0	105	80	120				
Zinc	40.4	0.400	40.00	0	101	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081_Soil

Sample ID: **MB-36462** SampType: **MBLK** TestCode: **Dry8081_Soil** Units: **µg/Kg** Prep Date: **7/13/2012** RunNo: **64283**
Client ID: **PBS** Batch ID: **36462** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908417**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.20									
4,4´-DDE	U	0.20									
4,4´-DDT	U	0.20									
Aldrin	U	0.20									
alpha-BHC	U	0.20									
beta-BHC	U	0.20									
Chlordane	U	0.50									
Chlorobenzilate	U	0.20									
DBCP	U	0.20									
delta-BHC	U	0.20									
Dieldrin	U	0.20									
Endosulfan I	U	0.20									
Endosulfan II	U	0.20									
Endosulfan sulfate	U	0.20									
Endrin	U	0.20									
Endrin aldehyde	U	0.20									
Endrin ketone	U	0.20									
gamma-BHC	U	0.20									
Heptachlor	U	0.20									
Heptachlor epoxide	U	0.20									
Hexachlorobenzene	U	0.20									
Hexachlorocyclopentadiene	U	0.20									
Methoxychlor	U	0.20									
Toxaphene	U	5.0									
Surr: DCB	34		24.76		136	23	157				
Surr: TCX	25		24.76		101	21	151				

Sample ID: **LCS-36462** SampType: **LCS** TestCode: **Dry8081_Soil** Units: **µg/Kg** Prep Date: **7/13/2012** RunNo: **64283**
Client ID: **LCSS** Batch ID: **36462** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081_Soil

Sample ID: **LCS-36462** SampType: **LCS** TestCode: **Dry8081_Soil** Units: **µg/Kg** Prep Date: **7/13/2012** RunNo: **64283**
Client ID: **LCSS** Batch ID: **36462** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DBCP	4.9	0.20	4.938	0	99.4	24	148				
Hexachlorobenzene	4.9	0.20	4.938	0	99.3	20	145				
Hexachlorocyclopentadiene	5.5	0.20	4.938	0	111	29	144				
Toxaphene	70	4.9	49.38	0	141	36	156				
Surr: DCB	28		24.69		113	23	157				
Surr: TCX	25		24.69		103	21	151				

Sample ID: **MB-36458** SampType: **MBLK** TestCode: **Dry8081_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64306**
Client ID: **PBS** Batch ID: **36458** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.20									
4,4´-DDE	U	0.20									
4,4´-DDT	U	0.20									
Aldrin	U	0.20									
alpha-BHC	U	0.20									
beta-BHC	U	0.20									
Chlordane	U	0.50									
Chlorobenzilate	U	0.20									
DBCP	U	0.20									
delta-BHC	U	0.20									
Dieldrin	U	0.20									
Endosulfan I	U	0.20									
Endosulfan II	U	0.20									
Endosulfan sulfate	U	0.20									
Endrin	U	0.20									
Endrin aldehyde	U	0.20									
Endrin ketone	U	0.20									
gamma-BHC	U	0.20									
Heptachlor	U	0.20									
Heptachlor epoxide	U	0.20									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits
H	Holding times for preparation or analy		
PQL	Practical Quantitation Limit		
U	Indicates the compound was analyzed		

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081_Soil

Sample ID: **MB-36458** SampType: **MBLK** TestCode: **Dry8081_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64306**
Client ID: **PBS** Batch ID: **36458** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	U	0.20									
Hexachlorocyclopentadiene	U	0.20									
Methoxychlor	U	0.20									
Toxaphene	U	5.0									
Surr: DCB	20		25.00		80.2	23	157				
Surr: TCX	22		25.00		87.2	21	151				

Sample ID: **LCS-36458** SampType: **LCS** TestCode: **Dry8081_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64306**
Client ID: **LCSS** Batch ID: **36458** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	4.0	0.20	5.000	0	80.9	27	149				
4,4´-DDE	5.3	0.20	5.000	0	107	26	144				
4,4´-DDT	4.4	0.20	5.000	0	87.9	25	145				
Aldrin	5.6	0.20	5.000	0	111	28	147				
alpha-BHC	4.5	0.20	5.000	0	89.7	34	146				
beta-BHC	5.2	0.20	5.000	0	104	25	155				
Chlorobenzilate	4.3	0.20	5.000	0	85.2	26	152				
DBCP	3.7	0.20	5.000	0	73.6	24	148				
delta-BHC	4.5	0.20	5.000	0	89.6	27	146				
Dieldrin	5.5	0.20	5.000	0	111	25	148				
Endosulfan I	5.0	0.20	5.000	0	100	26	146				
Endosulfan II	4.4	0.20	5.000	0	87.1	22	143				
Endosulfan sulfate	3.9	0.20	5.000	0	78.0	24	154				
Endrin	4.2	0.20	5.000	0	83.9	23	145				
Endrin aldehyde	4.3	0.20	5.000	0	85.8	25	153				
Endrin ketone	3.9	0.20	5.000	0	78.7	33	152				
gamma-BHC	4.8	0.20	5.000	0	95.7	27	147				
Heptachlor	5.9	0.20	5.000	0	117	33	150				
Heptachlor epoxide	5.5	0.20	5.000	0	110	33	148				
Hexachlorobenzene	4.4	0.20	5.000	0	88.4	20	145				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081_Soil

Sample ID: **LCS-36458**	SampType: **LCS**	TestCode: **Dry8081_Soil**	Units: **µg/Kg**	Prep Date: **7/12/2012**	RunNo: **64306**
Client ID: **LCSS**	Batch ID: **36458**	TestNo: **SW8081B**	**SW3550C**	Analysis Date: **7/16/2012**	SeqNo: **908841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorocyclopentadiene	3.0	0.20	5.000	0	60.6	29	144				
Methoxychlor	4.2	0.20	5.000	0	84.5	49	154				
Surr: DCB	19		25.00		77.6	23	157				
Surr: TCX	21		25.00		83.5	21	151				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8082_Soil

Sample ID: **MB-36461** SampType: **MBLK** TestCode: **Dry8082_Soil** Units: **µg/Kg** Prep Date: **7/13/2012** RunNo: **64280**
Client ID: **PBS** Batch ID: **36461** TestNo: **SW8082A SW3550C** Analysis Date: **7/13/2012** SeqNo: **908336**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	2.5									
Aroclor 1221	U	2.5									
Aroclor 1232	U	2.5									
Aroclor 1242	U	2.5									
Aroclor 1248	U	2.5									
Aroclor 1254	U	2.5									
Aroclor 1260	U	2.5									
Aroclor 1262	U	2.5									
Aroclor 1268	U	2.5									
Surr: TCX	21		24.76		84.0	17	151				
Surr: DCB	25		24.76		99.5	16	152				

Sample ID: **LCS-36461** SampType: **LCS** TestCode: **Dry8082_Soil** Units: **µg/Kg** Prep Date: **7/13/2012** RunNo: **64280**
Client ID: **LCSS** Batch ID: **36461** TestNo: **SW8082A SW3550C** Analysis Date: **7/13/2012** SeqNo: **908337**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	55	2.4	48.59	0	112	55	144				
Surr: TCX	23		24.30		96.3	17	151				
Surr: DCB	25		24.30		105	16	152				

Sample ID: **MB-36457** SampType: **MBLK** TestCode: **Dry8082_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64293**
Client ID: **PBS** Batch ID: **36457** TestNo: **SW8082A SW3550C** Analysis Date: **7/14/2012** SeqNo: **908600**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	2.5									
Aroclor 1221	U	2.5									
Aroclor 1232	U	2.5									
Aroclor 1242	U	2.5									
Aroclor 1248	U	2.5									
Aroclor 1254	U	2.5									
Aroclor 1260	U	2.5									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8082_Soil

Sample ID: **MB-36457** SampType: **MBLK** TestCode: **Dry8082_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64293**
Client ID: **PBS** Batch ID: **36457** TestNo: **SW8082A** **SW3550C** Analysis Date: **7/14/2012** SeqNo: **908600**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1262	U	2.5									
Aroclor 1268	U	2.5									
Surr: TCX	24		25.00		96.6	17	151				
Surr: DCB	27		25.00		107	16	152				

Sample ID: **LCS-36457** SampType: **LCS** TestCode: **Dry8082_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64293**
Client ID: **LCSS** Batch ID: **36457** TestNo: **SW8082A** **SW3550C** Analysis Date: **7/14/2012** SeqNo: **908601**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	61	2.5	50.00	0	121	55	144				
Surr: TCX	27		25.00		108	17	151				
Surr: DCB	30		25.00		120	16	152				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: MB-36459	SampType: MBLK	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 7/12/2012	RunNo: 64274
Client ID: PBS	Batch ID: 36459	TestNo: SW8270D	SW3550C	Analysis Date: 7/13/2012	SeqNo: 908273

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	250									
1,2-Dichlorobenzene	U	250									
1,3-Dichlorobenzene	U	250									
1,4-Dichlorobenzene	U	250									
2,3,4,6-Tetrachlorophenol	U	250									C
2,4,5-Trichlorophenol	U	250									
2,4,6-Trichlorophenol	U	250									
2,4-Dichlorophenol	U	250									
2,4-Dimethylphenol	U	250									
2,4-Dinitrophenol	U	250									
2,4-Dinitrotoluene	U	250									
2,6-Dinitrotoluene	U	250									
2-Chloronaphthalene	U	250									
2-Chlorophenol	U	250									
2-Methylnaphthalene	U	250									
2-Methylphenol	U	250									C
2-Nitroaniline	U	250									
2-Nitrophenol	U	250									
3,3´-Dichlorobenzidine	U	250									
3+4-Methylphenol	U	250									
3-Nitroaniline	U	250									
4,6-Dinitro-2-methylphenol	U	250									
4-Bromophenyl phenyl ether	U	250									
4-Chloro-3-methylphenol	U	250									
4-Chloroaniline	U	250									
4-Chlorophenyl phenyl ether	U	250									
4-Nitroaniline	U	250									C
4-Nitrophenol	U	250									C
Acenaphthene	U	250									
Acenaphthylene	U	250									
Acetophenone	U	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: MB-36459	SampType: MBLK	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 7/12/2012	RunNo: 64274
Client ID: PBS	Batch ID: 36459	TestNo: SW8270D	SW3550C	Analysis Date: 7/13/2012	SeqNo: 908273

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aniline	U	250									
Anthracene	U	250									
Atrazine	U	250									
Azobenzene	U	250									
Benzaldehyde	U	250									
Benzidine	U	250									
Benzo(a)anthracene	U	250									
Benzo(a)pyrene	U	250									
Benzo(b)fluoranthene	U	250									
Benzo(g,h,i)perylene	U	250									
Benzo(k)fluoranthene	U	250									
Benzoic acid	U	250									C
Benzyl alcohol	U	250									
Biphenyl	U	250									
Bis(2-chloroethoxy)methane	U	250									
Bis(2-chloroethyl)ether	U	250									
Bis(2-chloroisopropyl)ether	U	250									
Bis(2-ethylhexyl)phthalate	U	250									
Butyl benzyl phthalate	U	250									
Caprolactam	U	250									C
Carbazole	U	250									
Chrysene	U	250									
Dibenzo(a,h)anthracene	U	250									
Dibenzofuran	U	250									
Diethyl phthalate	U	250									
Dimethyl phthalate	U	250									
Di-n-butyl phthalate	U	250									
Di-n-octyl phthalate	U	250									
Fluoranthene	U	250									
Fluorene	U	250									
Hexachlorobenzene	U	250									C

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **MB-36459** SampType: **MBLK** TestCode: **Dry8270_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **PBS** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908273**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	U	250									
Hexachlorocyclopentadiene	U	250									
Hexachloroethane	U	250									
Indeno(1,2,3-c,d)pyrene	U	250									C
Isophorone	U	250									
Naphthalene	U	250									
Nitrobenzene	U	250									
N-Nitrosodimethylamine	U	250									
N-Nitrosodi-n-propylamine	U	250									
N-Nitrosodiphenylamine	U	250									
Parathion	U	250									
Pentachlorophenol	U	250									C
Phenanthrene	U	250									
Phenol	U	250									
Pyrene	U	250									
Pyridine	U	250									C
Surr: 2,4,6-Tribromophenol	1900		2000		94.6	21	119				
Surr: 2-Fluorobiphenyl	990		1000		99.2	21	117				
Surr: 2-Fluorophenol	970		2000		48.5	11	105				
Surr: 4-Terphenyl-d14	1500		1000		146	21	132				S
Surr: Nitrobenzene-d5	860		1000		86.3	18	116				
Surr: Phenol-d6	1400		2000		68.4	12	110				

Sample ID: **LCS-36459** SampType: **LCS** TestCode: **Dry8270_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **LCSS** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	860	250	2000	0	42.9	36	126				
1,2-Dichlorobenzene	950	250	2000	0	47.6	24	132				
1,3-Dichlorobenzene	900	250	2000	0	45.2	20	132				
1,4-Dichlorobenzene	890	250	2000	0	44.6	26	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: LCS-36459	SampType: LCS	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 7/12/2012	RunNo: 64274
Client ID: LCSS	Batch ID: 36459	TestNo: SW8270D	SW3550C	Analysis Date: 7/13/2012	SeqNo: 908274

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,3,4,6-Tetrachlorophenol	1100	250	2000	0	53.1	20	120				C
2,4,5-Trichlorophenol	1000	250	2000	0	50.9	20	140				
2,4,6-Trichlorophenol	980	250	2000	0	49.0	20	143				
2,4-Dimethylphenol	780	250	2000	0	38.8	17	132				
2,4-Dinitrophenol	650	250	2000	0	32.4	10	125				
2,4-Dinitrotoluene	960	250	2000	0	47.8	21	133				
2,6-Dinitrotoluene	950	250	2000	0	47.5	25	137				
2-Chloronaphthalene	960	250	2000	0	47.9	34	147				
2-Chlorophenol	950	250	2000	0	47.6	22	128				
2-Methylnaphthalene	980	250	2000	0	49.0	26	133				
2-Methylphenol	750	250	2000	0	37.3	24	126				C
2-Nitroaniline	940	250	2000	0	46.9	20	130				
2-Nitrophenol	840	250	2000	0	42.0	10	133				
3+4-Methylphenol	1000	250	2000	0	49.9	15	131				
3-Nitroaniline	1100	250	2000	0	56.0	36	133				
4,6-Dinitro-2-methylphenol	840	250	2000	0	42.1	10	136				
4-Bromophenyl phenyl ether	960	250	2000	0	48.0	33	144				
4-Chloro-3-methylphenol	1200	250	2000	0	58.9	20	135				
4-Chloroaniline	880	250	2000	0	44.2	18	120				
4-Chlorophenyl phenyl ether	930	250	2000	0	46.4	28	137				
4-Nitroaniline	1200	250	2000	0	62.2	17	131				C
4-Nitrophenol	730	250	2000	0	36.7	17	143				C
Acenaphthene	940	250	2000	0	46.8	35	134				
Acenaphthylene	940	250	2000	0	46.9	38	127				
Aniline	710	250	2000	0	35.4	12	120				
Anthracene	960	250	2000	0	47.8	33	135				
Azobenzene	1000	250	2000	0	50.1	22	136				
Benzo(a)anthracene	880	250	2000	0	44.1	35	134				
Benzo(a)pyrene	880	250	2000	0	44.1	39	134				
Benzo(b)fluoranthene	870	250	2000	0	43.6	30	135				
Benzo(g,h,i)perylene	1000	250	2000	0	52.0	23	144				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **LCS-36459** SampType: **LCS** TestCode: **Dry8270_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **LCSS** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	960	250	2000	0	47.8	30	141				
Benzyl alcohol	1000	250	2000	0	50.8	17	126				
Bis(2-chloroethoxy)methane	690	250	2000	0	34.3	23	126				
Bis(2-chloroethyl)ether	860	250	2000	0	43.0	20	140				
Bis(2-chloroisopropyl)ether	1100	250	2000	0	53.1	25	141				
Bis(2-ethylhexyl)phthalate	720	250	2000	0	36.1	27	143				
Butyl benzyl phthalate	1000	250	2000	0	50.4	36	144				
Carbazole	1000	250	2000	0	50.7	21	141				
Chrysene	880	250	2000	0	43.8	25	137				
Dibenzo(a,h)anthracene	1100	250	2000	0	53.5	22	137				
Dibenzofuran	920	250	2000	0	45.8	27	136				
Diethyl phthalate	910	250	2000	0	45.6	32	141				
Dimethyl phthalate	950	250	2000	0	47.5	33	145				
Di-n-butyl phthalate	640	250	2000	0	31.9	35	145				S
Di-n-octyl phthalate	820	250	2000	0	40.9	25	139				
Fluoranthene	680	250	2000	0	33.9	22	132				
Fluorene	930	250	2000	0	46.4	23	135				
Hexachlorobenzene	880	250	2000	0	43.8	29	149				C
Hexachlorobutadiene	820	250	2000	0	41.1	20	142				
Hexachlorocyclopentadiene	730	250	2000	0	36.5	10	131				
Hexachloroethane	960	250	2000	0	48.0	12	134				
Indeno(1,2,3-c,d)pyrene	1300	250	2000	0	62.8	30	156				C
Isophorone	920	250	2000	0	46.2	32	130				
Naphthalene	940	250	2000	0	46.8	21	137				
Nitrobenzene	850	250	2000	0	42.3	23	130				
N-Nitrosodi-n-propylamine	1000	250	2000	0	51.2	31	137				
N-Nitrosodiphenylamine	1000	250	2000	0	51.1	21	143				
Pentachlorophenol	940	250	2000	0	46.9	10	130				C
Phenanthrene	940	250	2000	0	46.8	32	145				
Phenol	690	250	2000	0	34.5	15	120				
Pyrene	1300	250	2000	0	63.8	20	155				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **LCS-36459** SampType: **LCS** TestCode: **Dry8270_Soil** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **LCSS** Batch ID: **36459** TestNo: **SW8270D** **SW3550C** Analysis Date: **7/13/2012** SeqNo: **908274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyridine	110	250	2000	0	5.66	1	95				JC
Surr: 2,4,6-Tribromophenol	2000		2000		99.7	21	119				
Surr: 2-Fluorobiphenyl	800		1000		80.5	21	117				
Surr: 2-Fluorophenol	970		2000		48.7	11	105				
Surr: 4-Terphenyl-d14	1100		1000		106	21	132				
Surr: Nitrobenzene-d5	820		1000		81.9	18	116				
Surr: Phenol-d6	1400		2000		68.6	12	110				

Sample ID: **MB-36465** SampType: **MBLK** TestCode: **Dry8270_Soil** Units: **µg/Kg** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **PBS** Batch ID: **36465** TestNo: **SW8270D** **SW3550C** Analysis Date: **7/13/2012** SeqNo: **908294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	250									
1,2-Dichlorobenzene	U	250									
1,3-Dichlorobenzene	U	250									
1,4-Dichlorobenzene	U	250									
2,3,4,6-Tetrachlorophenol	U	250									
2,4,5-Trichlorophenol	U	250									
2,4,6-Trichlorophenol	U	250									
2,4-Dichlorophenol	U	250									
2,4-Dimethylphenol	U	250									
2,4-Dinitrophenol	U	250									C
2,4-Dinitrotoluene	U	250									
2,6-Dinitrotoluene	U	250									
2-Chloronaphthalene	U	250									
2-Chlorophenol	U	250									
2-Methylnaphthalene	U	250									
2-Methylphenol	U	250									
2-Nitroaniline	U	250									
2-Nitrophenol	U	250									
3,3´-Dichlorobenzidine	U	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: MB-36465	SampType: MBLK	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 7/13/2012	RunNo: 64276
Client ID: PBS	Batch ID: 36465	TestNo: SW8270D	SW3550C	Analysis Date: 7/13/2012	SeqNo: 908294

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3+4-Methylphenol	U	250									
3-Nitroaniline	U	250									
4,6-Dinitro-2-methylphenol	U	250									C
4-Bromophenyl phenyl ether	U	250									
4-Chloro-3-methylphenol	U	250									
4-Chloroaniline	U	250									
4-Chlorophenyl phenyl ether	U	250									
4-Nitroaniline	U	250									C
4-Nitrophenol	U	250									
Acenaphthene	U	250									
Acenaphthylene	U	250									
Acetophenone	U	250									
Aniline	U	250									
Anthracene	U	250									
Atrazine	U	250									
Azobenzene	U	250									
Benzaldehyde	U	250									C
Benzidine	U	250									
Benzo(a)anthracene	U	250									
Benzo(a)pyrene	U	250									
Benzo(b)fluoranthene	U	250									
Benzo(g,h,i)perylene	U	250									
Benzo(k)fluoranthene	U	250									
Benzoic acid	U	250									
Benzyl alcohol	U	250									
Biphenyl	U	250									
Bis(2-chloroethoxy)methane	U	250									
Bis(2-chloroethyl)ether	U	250									
Bis(2-chloroisopropyl)ether	U	250									
Bis(2-ethylhexyl)phthalate	U	250									
Butyl benzyl phthalate	U	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: MB-36465	SampType: MBLK	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 7/13/2012	RunNo: 64276
Client ID: PBS	Batch ID: 36465	TestNo: SW8270D	SW3550C	Analysis Date: 7/13/2012	SeqNo: 908294

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Caprolactam	U	250									
Carbazole	U	250									
Chrysene	U	250									
Dibenzo(a,h)anthracene	U	250									
Dibenzofuran	U	250									
Diethyl phthalate	U	250									
Dimethyl phthalate	U	250									
Di-n-butyl phthalate	U	250									
Di-n-octyl phthalate	U	250									
Fluoranthene	U	250									
Fluorene	U	250									
Hexachlorobenzene	U	250									
Hexachlorobutadiene	U	250									
Hexachlorocyclopentadiene	U	250									C
Hexachloroethane	U	250									
Indeno(1,2,3-c,d)pyrene	U	250									
Isophorone	U	250									
Naphthalene	U	250									
Nitrobenzene	U	250									
N-Nitrosodimethylamine	U	250									C
N-Nitrosodi-n-propylamine	U	250									C
N-Nitrosodiphenylamine	U	250									
Parathion	U	250									C
Pentachlorophenol	U	250									C
Phenanthrene	U	250									
Phenol	U	250									
Pyrene	U	250									
Pyridine	U	250									
Surr: 2,4,6-Tribromophenol	1600		1981		82.5	21	119				
Surr: 2-Fluorobiphenyl	1200		990.6		117	21	117				S
Surr: 2-Fluorophenol	930		1981		47.0	11	105				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **MB-36465** SampType: **MBLK** TestCode: **Dry8270_Soil** Units: **µg/Kg** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **PBS** Batch ID: **36465** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Terphenyl-d14	1100		990.6		111	21	132				
Surr: Nitrobenzene-d5	1000		990.6		101	18	116				
Surr: Phenol-d6	1300		1981		63.4	12	110				

Sample ID: **LCS-36465** SampType: **LCS** TestCode: **Dry8270_Soil** Units: **µg/Kg** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **LCSS** Batch ID: **36465** TestNo: **SW8270D SW3550C** Analysis Date: **7/14/2012** SeqNo: **908295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	760	240	1946	0	38.9	36	126				
1,2-Dichlorobenzene	790	240	1946	0	40.6	24	132				
1,3-Dichlorobenzene	810	240	1946	0	41.4	20	132				
1,4-Dichlorobenzene	810	240	1946	0	41.8	26	128				
2,3,4,6-Tetrachlorophenol	690	240	1946	0	35.4	20	120				
2,4,5-Trichlorophenol	680	240	1946	0	34.9	20	140				
2,4,6-Trichlorophenol	800	240	1946	0	40.9	20	143				
2,4-Dimethylphenol	860	240	1946	0	44.4	17	132				
2,4-Dinitrotoluene	780	240	1946	0	40.3	21	133				
2,6-Dinitrotoluene	930	240	1946	0	47.7	25	137				
2-Chloronaphthalene	980	240	1946	0	50.2	34	147				
2-Chlorophenol	850	240	1946	0	43.8	22	128				
2-Methylnaphthalene	730	240	1946	0	37.6	26	133				
2-Methylphenol	450	240	1946	0	23.2	24	126				S
2-Nitroaniline	990	240	1946	0	51.0	20	130				
2-Nitrophenol	620	240	1946	0	31.8	10	133				
3+4-Methylphenol	840	240	1946	0	43.2	15	131				
3-Nitroaniline	1200	240	1946	0	62.2	36	133				
4-Bromophenyl phenyl ether	870	240	1946	0	44.5	33	144				
4-Chloro-3-methylphenol	680	240	1946	0	35.1	20	135				
4-Chloroaniline	770	240	1946	0	39.7	18	120				
4-Chlorophenyl phenyl ether	830	240	1946	0	42.7	28	137				
4-Nitroaniline	1300	240	1946	0	64.5	17	131				C

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: LCS-36465	SampType: LCS	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 7/13/2012	RunNo: 64276
Client ID: LCSS	Batch ID: 36465	TestNo: SW8270D	SW3550C	Analysis Date: 7/14/2012	SeqNo: 908295

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	560	240	1946	0	28.7	17	143				
Acenaphthene	890	240	1946	0	45.7	35	134				
Acenaphthylene	940	240	1946	0	48.4	38	127				
Aniline	610	240	1946	0	31.5	12	120				
Anthracene	940	240	1946	0	48.2	33	135				
Azobenzene	940	240	1946	0	48.5	22	136				
Benzo(a)anthracene	840	240	1946	0	43.1	35	134				
Benzo(a)pyrene	970	240	1946	0	49.6	39	134				
Benzo(b)fluoranthene	870	240	1946	0	44.9	30	135				
Benzo(g,h,i)perylene	940	240	1946	0	48.2	23	144				
Benzo(k)fluoranthene	900	240	1946	0	46.3	30	141				
Benzyl alcohol	860	240	1946	0	44.0	17	126				
Bis(2-chloroethoxy)methane	730	240	1946	0	37.4	23	126				
Bis(2-chloroethyl)ether	830	240	1946	0	42.9	20	140				
Bis(2-chloroisopropyl)ether	950	240	1946	0	48.8	25	141				
Bis(2-ethylhexyl)phthalate	920	240	1946	0	47.3	27	143				
Butyl benzyl phthalate	880	240	1946	0	45.3	36	144				
Carbazole	1200	240	1946	0	62.3	21	141				
Chrysene	870	240	1946	0	44.6	25	137				
Dibenzo(a,h)anthracene	1000	240	1946	0	51.4	22	137				
Dibenzofuran	860	240	1946	0	44.2	27	136				
Diethyl phthalate	1000	240	1946	0	52.7	32	141				
Dimethyl phthalate	1100	240	1946	0	57.9	33	145				
Di-n-butyl phthalate	1100	240	1946	0	55.5	35	145				
Di-n-octyl phthalate	890	240	1946	0	45.7	25	139				
Fluoranthene	1100	240	1946	0	59.0	22	132				
Fluorene	820	240	1946	0	42.0	23	135				
Hexachlorobenzene	730	240	1946	0	37.6	29	149				
Hexachlorobutadiene	750	240	1946	0	38.7	20	142				
Hexachlorocyclopentadiene	260	240	1946	0	13.1	10	131				C
Hexachloroethane	720	240	1946	0	37.1	12	134				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **LCS-36465**	SampType: **LCS**	TestCode: **Dry8270_Soil**	Units: **µg/Kg**	Prep Date: **7/13/2012**	RunNo: **64276**
Client ID: **LCSS**	Batch ID: **36465**	TestNo: **SW8270D**	**SW3550C**	Analysis Date: **7/14/2012**	SeqNo: **908295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-c,d)pyrene	1200	240	1946	0	59.8	30	156				
Isophorone	910	240	1946	0	46.8	32	130				
Naphthalene	860	240	1946	0	44.0	21	137				
Nitrobenzene	890	240	1946	0	45.6	23	130				
N-Nitrosodimethylamine	31	240	1946	0	1.60	1	101				JC
N-Nitrosodi-n-propylamine	900	240	1946	0	46.5	31	137				C
N-Nitrosodiphenylamine	1000	240	1946	0	53.3	21	143				
Pentachlorophenol	790	240	1946	0	40.6	10	130				C
Phenanthrene	910	240	1946	0	46.9	32	145				
Phenol	560	240	1946	0	28.8	15	120				
Pyrene	770	240	1946	0	39.4	20	155				
Pyridine	47	240	1946	0	2.40	1	95				J
Surr: 2,4,6-Tribromophenol	1500		1946		75.0	21	119				
Surr: 2-Fluorobiphenyl	990		973.2		101	21	117				
Surr: 2-Fluorophenol	740		1946		38.1	11	105				
Surr: 4-Terphenyl-d14	770		973.2		79.6	21	132				
Surr: Nitrobenzene-d5	850		973.2		87.6	18	116				
Surr: Phenol-d6	1100		1946		56.2	12	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-070612YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	42	2.0	50.00	0	84.4	40	125				
1,1,2,2-Tetrachloroethane	36	2.0	50.00	0	72.3	41	130				
1,1,2-Trichloroethane	41	2.0	50.00	0	82.8	43	121				
1,1-Dichloroethane	36	2.0	50.00	0	71.8	42	126				
1,1-Dichloroethene	39	2.0	50.00	0	78.0	40	126				
1,2-Dichlorobenzene	37	2.0	50.00	0	74.6	41	122				
1,2-Dichloroethane	40	2.0	50.00	0	79.9	42	133				
1,2-Dichloropropane	35	2.0	50.00	0	70.0	41	128				
1,3-Dichlorobenzene	37	2.0	50.00	0	74.2	45	119				
1,4-Dichlorobenzene	36	2.0	50.00	0	72.8	46	121				
2-Chloroethyl vinyl ether	46	2.0	50.00	0	92.8	30	135				
Benzene	40	2.0	50.00	0	79.7	35	123				
Bromodichloromethane	37	2.0	50.00	0	73.9	37	130				
Bromoform	41	2.0	50.00	0	82.0	43	121				
Bromomethane	43	2.0	50.00	0	85.4	32	130				
Carbon tetrachloride	43	2.0	50.00	0	86.6	37	134				
Chlorobenzene	37	2.0	50.00	0	74.5	40	124				
Chloroethane	38	2.0	50.00	0	75.6	35	141				
Chloroform	40	2.0	50.00	0	79.9	36	126				
Chloromethane	39	2.0	50.00	0	78.9	42	141				
cis-1,3-Dichloropropene	36	2.0	50.00	0	71.3	30	130				
Dibromochloromethane	42	2.0	50.00	0	84.0	43	125				
Ethylbenzene	37	2.0	50.00	0	73.3	44	122				
Methylene chloride	33	2.0	50.00	0	65.6	32	132				B
Tetrachloroethene	38	2.0	50.00	0	75.9	31	120				
Toluene	40	2.0	50.00	0	79.1	42	124				
trans-1,2-Dichloroethene	41	2.0	50.00	0	82.7	38	122				
trans-1,3-Dichloropropene	32	2.0	50.00	0	63.9	45	123				
Trichloroethene	41	2.0	50.00	0	82.2	46	124				
Trichlorofluoromethane	56	2.0	50.00	0	113	45	137				
Vinyl chloride	54	2.0	50.00	0	107	46	139				

Qualifiers:
B Analyte detected in the associated Method Blank
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
C Calibration %RSD/%D exceeded for non-CCC analytes
P >40% diff for detected conc between the two GC column
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analy
PQL Practical Quantitation Limit
U Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-070612YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	47		50.00		94.1	42	133				
Surr: Dibromofluoromethane	53		50.00		106	50	133				
Surr: Toluene-d8	50		50.00		99.7	53	130				

Sample ID: **VBLK-070612YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-070612YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									C
2-Chloroethyl vinyl ether	U	2.0									
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									C
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									C
Acetone	U	5.0									C
Acrolein	U	10									C
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-070612YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	U	5.0									C
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	4.2	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									C
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									C
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-070612YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	46		50.00		92.8	42	133				
Surr: Dibromofluoromethane	51		50.00		102	50	133				
Surr: Toluene-d8	50		50.00		99.0	53	130				

Sample ID: **V624LCS-070612YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184A** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	44	2.0	50.00	0	87.8	40	125				
1,1,2,2-Tetrachloroethane	34	2.0	50.00	0	67.1	41	130				
1,1,2-Trichloroethane	37	2.0	50.00	0	73.9	43	121				
1,1-Dichloroethane	36	2.0	50.00	0	71.3	42	126				
1,1-Dichloroethene	39	2.0	50.00	0	77.6	40	126				
1,2-Dichlorobenzene	38	2.0	50.00	0	75.0	41	122				
1,2-Dichloroethane	39	2.0	50.00	0	78.1	42	133				
1,2-Dichloropropane	34	2.0	50.00	0	67.4	41	128				
1,3-Dichlorobenzene	38	2.0	50.00	0	76.7	45	119				
1,4-Dichlorobenzene	36	2.0	50.00	0	72.8	46	121				
2-Chloroethyl vinyl ether	37	2.0	50.00	0	74.6	30	135				
Benzene	40	2.0	50.00	0	80.3	35	123				
Bromodichloromethane	36	2.0	50.00	0	72.4	37	130				
Bromoform	36	2.0	50.00	0	71.7	43	121				
Bromomethane	46	2.0	50.00	0	91.8	32	130				
Carbon tetrachloride	45	2.0	50.00	0	90.2	37	134				
Chlorobenzene	37	2.0	50.00	0	74.9	40	124				
Chloroethane	41	2.0	50.00	0	81.3	35	141				
Chloroform	40	2.0	50.00	0	79.2	36	126				
Chloromethane	47	2.0	50.00	0	94.3	42	141				
cis-1,3-Dichloropropene	36	2.0	50.00	0	71.1	30	130				
Dibromochloromethane	40	2.0	50.00	0	80.3	43	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-070612YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184A** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	36	2.0	50.00	0	73.0	44	122				
Methylene chloride	32	2.0	50.00	0	64.4	32	132				B
Tetrachloroethene	37	2.0	50.00	0	74.4	31	120				
Toluene	39	2.0	50.00	0	77.5	42	124				
trans-1,2-Dichloroethene	42	2.0	50.00	0	84.7	38	122				
trans-1,3-Dichloropropene	31	2.0	50.00	0	61.4	45	123				
Trichloroethene	42	2.0	50.00	0	83.5	46	124				
Trichlorofluoromethane	57	2.0	50.00	0	115	45	137				
Vinyl chloride	52	2.0	50.00	0	104	46	139				
Surr: 4-Bromofluorobenzene	48		50.00		96.4	42	133				
Surr: Dibromofluoromethane	52		50.00		105	50	133				
Surr: Toluene-d8	50		50.00		100	53	130				

Sample ID: **VBLK-070612YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184A** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-070612YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184A** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									C
2-Chloroethyl vinyl ether	U	2.0									
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									C
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									C
Acetone	U	5.0									C
Acrolein	U	10									C
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-070612YS**	SampType: **MBLK**	TestCode: **DryFull8260_**	Units: **µg/Kg**		Prep Date: **7/6/2012**				RunNo: **64184**			
Client ID: **PBS**	Batch ID: **R64184A**	TestNo: **SW8260C**			Analysis Date: **7/6/2012**				SeqNo: **906756**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chloroethane	U	2.0										
Chloroform	U	2.0										
Chloromethane	U	2.0										
cis-1,2-Dichloroethene	U	2.0										
cis-1,3-Dichloropropene	U	2.0										
Dibromochloromethane	U	2.0										
Dibromomethane	U	2.0										
Dichlorodifluoromethane	U	2.0										
Diisopropyl ether	U	2.0										
Ethanol	U	5.0									C	
Ethyl acetate	U	2.0										
Ethylbenzene	U	2.0										
Freon-114	U	2.0										
Hexachlorobutadiene	U	2.0										
Isopropyl acetate	U	2.0										
Isopropylbenzene	U	2.0										
m,p-Xylene	U	4.0										
Methyl Acetate	U	2.0										
Methyl tert-butyl ether	U	2.0										
Methylene chloride	4.2	2.0										
n-Amyl acetate	U	2.0										
Naphthalene	U	2.0										
n-Butyl acetate	U	2.0										
n-Butylbenzene	U	2.0										
n-Propyl acetate	U	2.0										
n-Propylbenzene	U	2.0										
o-Xylene	U	2.0										
p-Diethylbenzene	U	2.0										
p-Ethyltoluene	U	2.0										
sec-Butylbenzene	U	2.0										
Styrene	U	2.0										

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-070612YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/6/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184A** TestNo: **SW8260C** Analysis Date: **7/6/2012** SeqNo: **906756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	48		50.00		96.0	42	133				
Surr: Dibromofluoromethane	52		50.00		105	50	133				
Surr: Toluene-d8	53		50.00		107	53	130				

Sample ID: **V624LCS-071012aY** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184B** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	35	2.0	50.00	0	71.0	40	125				
1,1,2,2-Tetrachloroethane	32	2.0	50.00	0	64.1	41	130				
1,1,2-Trichloroethane	35	2.0	50.00	0	69.2	43	121				
1,1-Dichloroethane	34	2.0	50.00	0	68.8	42	126				
1,1-Dichloroethene	39	2.0	50.00	0	77.9	40	126				
1,2-Dichlorobenzene	31	2.0	50.00	0	61.4	41	122				
1,2-Dichloroethane	35	2.0	50.00	0	69.9	42	133				
1,2-Dichloropropane	36	2.0	50.00	0	72.7	41	128				
1,3-Dichlorobenzene	31	2.0	50.00	0	62.2	45	119				
1,4-Dichlorobenzene	31	2.0	50.00	0	61.8	46	121				
2-Chloroethyl vinyl ether	38	2.0	50.00	0	76.5	30	135				
Benzene	36	2.0	50.00	0	71.0	35	123				
Bromodichloromethane	32	2.0	50.00	0	64.5	37	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-071012aY** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184B** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	34	2.0	50.00	0	67.7	43	121				
Bromomethane	42	2.0	50.00	0	84.5	32	130				
Carbon tetrachloride	36	2.0	50.00	0	71.5	37	134				
Chlorobenzene	35	2.0	50.00	0	69.4	40	124				
Chloroethane	29	2.0	50.00	0	58.7	35	141				
Chloroform	32	2.0	50.00	0	63.2	36	126				
Chloromethane	44	2.0	50.00	0	87.5	42	141				
cis-1,3-Dichloropropene	32	2.0	50.00	0	63.4	30	130				
Dibromochloromethane	34	2.0	50.00	0	68.2	43	125				
Ethylbenzene	36	2.0	50.00	0	72.2	44	122				
Methylene chloride	34	2.0	50.00	0	69.0	32	132				B
Tetrachloroethene	31	2.0	50.00	0	61.2	31	120				
Toluene	36	2.0	50.00	0	71.6	42	124				
trans-1,2-Dichloroethene	33	2.0	50.00	0	66.4	38	122				
trans-1,3-Dichloropropene	30	2.0	50.00	0	60.5	45	123				
Trichloroethene	34	2.0	50.00	0	68.9	46	124				
Trichlorofluoromethane	55	2.0	50.00	0	110	45	137				
Vinyl chloride	56	2.0	50.00	0	112	46	139				
Surr: 4-Bromofluorobenzene	50		50.00		101	42	133				
Surr: Dibromofluoromethane	52		50.00		103	50	133				
Surr: Toluene-d8	51		50.00		102	53	130				

Sample ID: **VBLK-071012aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184B** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071012aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184B** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071012aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184B** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	4.6	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071012aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184B** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	49		50.00		97.7	42	133				
Surr: Dibromofluoromethane	52		50.00		104	50	133				
Surr: Toluene-d8	50		50.00		99.5	53	130				

Sample ID: **V624LCS-071012aY** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184C** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	35	2.0	50.00	0	70.0	40	125				
1,1,2,2-Tetrachloroethane	34	2.0	50.00	0	68.3	41	130				
1,1,2-Trichloroethane	35	2.0	50.00	0	70.5	43	121				
1,1-Dichloroethane	34	2.0	50.00	0	68.3	42	126				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-071012aY** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184C** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	35	2.0	50.00	0	70.2	40	126				
1,2-Dichlorobenzene	31	2.0	50.00	0	62.9	41	122				
1,2-Dichloroethane	36	2.0	50.00	0	72.8	42	133				
1,2-Dichloropropane	36	2.0	50.00	0	71.3	41	128				
1,3-Dichlorobenzene	30	2.0	50.00	0	60.4	45	119				
1,4-Dichlorobenzene	30	2.0	50.00	0	60.7	46	121				
2-Chloroethyl vinyl ether	38	2.0	50.00	0	76.5	30	135				
Benzene	35	2.0	50.00	0	69.7	35	123				
Bromodichloromethane	33	2.0	50.00	0	66.1	37	130				
Bromoform	34	2.0	50.00	0	67.7	43	121				
Bromomethane	41	2.0	50.00	0	82.7	32	130				
Carbon tetrachloride	36	2.0	50.00	0	71.0	37	134				
Chlorobenzene	34	2.0	50.00	0	67.1	40	124				
Chloroethane	59	2.0	50.00	0	117	35	141				C
Chloroform	33	2.0	50.00	0	65.8	36	126				
Chloromethane	53	2.0	50.00	0	105	42	141				
cis-1,3-Dichloropropene	32	2.0	50.00	0	63.3	30	130				
Dibromochloromethane	35	2.0	50.00	0	69.6	43	125				
Ethylbenzene	34	2.0	50.00	0	68.3	44	122				
Methylene chloride	35	2.0	50.00	0	70.4	32	132				B
Tetrachloroethene	30	2.0	50.00	0	59.4	31	120				
Toluene	35	2.0	50.00	0	69.4	42	124				
trans-1,2-Dichloroethene	33	2.0	50.00	0	65.1	38	122				
trans-1,3-Dichloropropene	30	2.0	50.00	0	60.1	45	123				
Trichloroethene	33	2.0	50.00	0	67.0	46	124				
Trichlorofluoromethane	51	2.0	50.00	0	103	45	137				
Vinyl chloride	53	2.0	50.00	0	106	46	139				
Surr: 4-Bromofluorobenzene	50		50.00		99.9	42	133				
Surr: Dibromofluoromethane	52		50.00		104	50	133				
Surr: Toluene-d8	51		50.00		102	53	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071012aYS**	SampType: **MBLK**	TestCode: **DryFull8260_**	Units: **µg/Kg**		Prep Date: **7/10/2012**				RunNo: **64184**			
Client ID: **PBS**	Batch ID: **R64184C**	TestNo: **SW8260C**			Analysis Date: **7/11/2012**				SeqNo: **908046**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1,1,2-Tetrachloroethane	U	2.0										
1,1,1-Trichloroethane	U	2.0										
1,1,2,2-Tetrachloroethane	U	2.0										
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0										
1,1,2-Trichloroethane	U	2.0										
1,1-Dichloroethane	U	2.0										
1,1-Dichloroethene	U	2.0										
1,1-Dichloropropene	U	2.0										
1,2,3-Trichlorobenzene	U	2.0										
1,2,3-Trichloropropane	U	2.0										
1,2,4,5-Tetramethylbenzene	U	2.0										
1,2,4-Trichlorobenzene	U	2.0										
1,2,4-Trimethylbenzene	U	2.0										
1,2-Dibromo-3-chloropropane	U	2.0										
1,2-Dibromoethane	U	2.0										
1,2-Dichlorobenzene	U	2.0										
1,2-Dichloroethane	U	2.0										
1,2-Dichloropropane	U	2.0										
1,3,5-Trimethylbenzene	U	2.0										
1,3-Dichlorobenzene	U	2.0										
1,3-dichloropropane	U	2.0										
1,4-Dichlorobenzene	U	2.0										
1,4-Dioxane	U	2.0										
2,2-Dichloropropane	U	2.0										
2-Butanone	U	5.0										
2-Chloroethyl vinyl ether	U	2.0										
2-Chlorotoluene	U	2.0										
2-Hexanone	U	5.0										
2-Propanol	U	2.0										
4-Chlorotoluene	U	2.0										
4-Isopropyltoluene	U	2.0										

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071012aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184C** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									C
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071012aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/10/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184C** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	5.0	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	53		50.00		107	42	133				
Surr: Dibromofluoromethane	52		50.00		104	50	133				
Surr: Toluene-d8	50		50.00		99.6	53	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-071112YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184D** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	47	2.0	50.00	0	93.1	40	125				
1,1,2,2-Tetrachloroethane	44	2.0	50.00	0	88.7	41	130				
1,1,2-Trichloroethane	45	2.0	50.00	0	89.2	43	121				
1,1-Dichloroethane	46	2.0	50.00	0	92.2	42	126				
1,1-Dichloroethene	52	2.0	50.00	0	103	40	126				
1,2-Dichlorobenzene	45	2.0	50.00	0	89.6	41	122				
1,2-Dichloroethane	47	2.0	50.00	0	94.0	42	133				
1,2-Dichloropropane	48	2.0	50.00	0	95.1	41	128				
1,3-Dichlorobenzene	44	2.0	50.00	0	88.3	45	119				
1,4-Dichlorobenzene	44	2.0	50.00	0	88.8	46	121				
2-Chloroethyl vinyl ether	49	2.0	50.00	0	97.8	30	135				
Benzene	47	2.0	50.00	0	93.7	35	123				
Bromodichloromethane	43	2.0	50.00	0	85.4	37	130				
Bromoform	45	2.0	50.00	0	90.2	43	121				
Bromomethane	34	2.0	50.00	0	67.5	32	130				
Carbon tetrachloride	47	2.0	50.00	0	93.4	37	134				
Chlorobenzene	45	2.0	50.00	0	89.7	40	124				
Chloroethane	25	2.0	50.00	0	49.3	35	141				
Chloroform	44	2.0	50.00	0	87.7	36	126				
Chloromethane	41	2.0	50.00	0	82.2	42	141				
cis-1,3-Dichloropropene	43	2.0	50.00	0	86.1	30	130				
Dibromochloromethane	44	2.0	50.00	0	88.8	43	125				
Ethylbenzene	47	2.0	50.00	0	93.0	44	122				
Methylene chloride	49	2.0	50.00	0	98.6	32	132				B
Tetrachloroethene	42	2.0	50.00	0	83.0	31	120				
Toluene	46	2.0	50.00	0	92.1	42	124				
trans-1,2-Dichloroethene	45	2.0	50.00	0	89.6	38	122				
trans-1,3-Dichloropropene	40	2.0	50.00	0	80.3	45	123				
Trichloroethene	45	2.0	50.00	0	90.5	46	124				
Trichlorofluoromethane	40	2.0	50.00	0	81.0	45	137				
Vinyl chloride	45	2.0	50.00	0	90.9	46	139				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-071112YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184D** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	50		50.00		100	42	133				
Surr: Dibromofluoromethane	51		50.00		102	50	133				
Surr: Toluene-d8	50		50.00		100	53	130				

Sample ID: **VBLK-071112YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184D** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071112YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184D** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: VBLK-071112YS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 7/11/2012	RunNo: 64184
Client ID: PBS	Batch ID: R64184D	TestNo: SW8260C		Analysis Date: 7/11/2012	SeqNo: 908062

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	4.9	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071112YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184D** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	49		50.00		98.5	42	133				
Surr: Dibromofluoromethane	52		50.00		104	50	133				
Surr: Toluene-d8	53		50.00		106	53	130				

Sample ID: **V624LCS-071112YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184E** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	42	2.0	50.00	0	83.2	40	125				
1,1,2,2-Tetrachloroethane	43	2.0	50.00	0	85.7	41	130				
1,1,2-Trichloroethane	44	2.0	50.00	0	87.1	43	121				
1,1-Dichloroethene	48	2.0	50.00	0	96.6	40	126				
1,2-Dichlorobenzene	42	2.0	50.00	0	84.8	41	122				
1,2-Dichloroethane	43	2.0	50.00	0	85.9	42	133				
1,2-Dichloropropane	45	2.0	50.00	0	90.8	41	128				
1,3-Dichlorobenzene	43	2.0	50.00	0	85.5	45	119				
1,4-Dichlorobenzene	42	2.0	50.00	0	84.2	46	121				
2-Chloroethyl vinyl ether	49	2.0	50.00	0	97.6	30	135				C
Benzene	44	2.0	50.00	0	87.7	35	123				
Bromodichloromethane	41	2.0	50.00	0	81.5	37	130				
Bromoform	43	2.0	50.00	0	86.4	43	121				
Bromomethane	22	2.0	50.00	0	44.7	32	130				
Carbon tetrachloride	43	2.0	50.00	0	85.1	37	134				
Chlorobenzene	43	2.0	50.00	0	86.6	40	124				
Chloroethane	21	2.0	50.00	0	42.7	35	141				
Chloroform	39	2.0	50.00	0	77.1	36	126				
Chloromethane	34	2.0	50.00	0	68.6	42	141				
cis-1,3-Dichloropropene	41	2.0	50.00	0	82.1	30	130				
Dibromochloromethane	43	2.0	50.00	0	86.2	43	125				
Ethylbenzene	46	2.0	50.00	0	91.0	44	122				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-071112YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184E** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	43	2.0	50.00	0	85.8	32	132				B
Tetrachloroethene	41	2.0	50.00	0	81.1	31	120				
Toluene	45	2.0	50.00	0	90.7	42	124				
trans-1,2-Dichloroethene	42	2.0	50.00	0	83.6	38	122				
trans-1,3-Dichloropropene	39	2.0	50.00	0	78.9	45	123				
Trichloroethene	44	2.0	50.00	0	87.6	46	124				
Trichlorofluoromethane	36	2.0	50.00	0	71.7	45	137				
Vinyl chloride	40	2.0	50.00	0	80.2	46	139				
Surr: 4-Bromofluorobenzene	50		50.00		100	42	133				
Surr: Dibromofluoromethane	50		50.00		99.1	50	133				
Surr: Toluene-d8	51		50.00		102	53	130				

Sample ID: **VBLK-071112YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184E** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071112YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184E** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									C
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									C
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: VBLK-071112YS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 7/11/2012	RunNo: 64184
Client ID: PBS	Batch ID: R64184E	TestNo: SW8260C		Analysis Date: 7/11/2012	SeqNo: 908067

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	4.6	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071112YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/11/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184E** TestNo: **SW8260C** Analysis Date: **7/11/2012** SeqNo: **908067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	49		50.00		97.6	42	133				
Surr: Dibromofluoromethane	51		50.00		102	50	133				
Surr: Toluene-d8	51		50.00		101	53	130				

Sample ID: **V624LCS-071212YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184F** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	35	2.0	50.00	0	70.0	40	125				
1,1,2,2-Tetrachloroethane	35	2.0	50.00	0	69.9	41	130				
1,1,2-Trichloroethane	36	2.0	50.00	0	72.5	43	121				
1,1-Dichloroethene	41	2.0	50.00	0	82.7	40	126				
1,2-Dichlorobenzene	34	2.0	50.00	0	67.8	41	122				
1,2-Dichloroethane	37	2.0	50.00	0	73.6	42	133				
1,2-Dichloropropane	37	2.0	50.00	0	74.5	41	128				
1,3-Dichlorobenzene	34	2.0	50.00	0	68.2	45	119				
1,4-Dichlorobenzene	34	2.0	50.00	0	68.0	46	121				
2-Chloroethyl vinyl ether	44	2.0	50.00	0	88.3	30	135				
Benzene	36	2.0	50.00	0	72.7	35	123				
Bromodichloromethane	33	2.0	50.00	0	65.8	37	130				
Bromoform	35	2.0	50.00	0	70.8	43	121				
Bromomethane	39	2.0	50.00	0	77.3	32	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-071212YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184F** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	35	2.0	50.00	0	70.5	37	134				
Chlorobenzene	36	2.0	50.00	0	71.3	40	124				
Chloroethane	28	2.0	50.00	0	56.1	35	141				C
Chloroform	33	2.0	50.00	0	65.1	36	126				
Chloromethane	43	2.0	50.00	0	85.9	42	141				
cis-1,3-Dichloropropene	34	2.0	50.00	0	67.6	30	130				
Dibromochloromethane	36	2.0	50.00	0	71.3	43	125				
Ethylbenzene	37	2.0	50.00	0	73.8	44	122				
Methylene chloride	38	2.0	50.00	0	75.7	32	132				B
Tetrachloroethene	33	2.0	50.00	0	66.6	31	120				
Toluene	37	2.0	50.00	0	74.8	42	124				
trans-1,2-Dichloroethene	35	2.0	50.00	0	69.5	38	122				
trans-1,3-Dichloropropene	32	2.0	50.00	0	64.9	45	123				
Trichloroethene	36	2.0	50.00	0	71.5	46	124				
Trichlorofluoromethane	47	2.0	50.00	0	93.2	45	137				
Vinyl chloride	52	2.0	50.00	0	104	46	139				
Surr: 4-Bromofluorobenzene	49		50.00		97.1	42	133				
Surr: Dibromofluoromethane	51		50.00		101	50	133				
Surr: Toluene-d8	52		50.00		104	53	130				

Sample ID: **VBLK-071212YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184F** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: VBLK-071212YS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 7/12/2012	RunNo: 64184
Client ID: PBS	Batch ID: R64184F	TestNo: SW8260C		Analysis Date: 7/12/2012	SeqNo: 908216

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071212YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184F** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									C
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	5.4	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071212YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184F** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	48		50.00		96.6	42	133				
Surr: Dibromofluoromethane	49		50.00		98.8	50	133				
Surr: Toluene-d8	51		50.00		101	53	130				

Sample ID: **V624LCS-071212YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184G** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	36	2.0	50.00	0	71.1	40	125				
1,1,2,2-Tetrachloroethane	37	2.0	50.00	0	74.1	41	130				
1,1,2-Trichloroethane	39	2.0	50.00	0	77.1	43	121				
1,1-Dichloroethene	42	2.0	50.00	0	85.0	40	126				C
1,2-Dichlorobenzene	34	2.0	50.00	0	68.9	41	122				
1,2-Dichloroethane	39	2.0	50.00	0	77.9	42	133				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-071212YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **LCSS** Batch ID: **R64184G** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	39	2.0	50.00	0	78.2	41	128				
1,3-Dichlorobenzene	35	2.0	50.00	0	69.1	45	119				
1,4-Dichlorobenzene	35	2.0	50.00	0	69.7	46	121				
2-Chloroethyl vinyl ether	43	2.0	50.00	0	86.4	30	135				
Benzene	37	2.0	50.00	0	74.4	35	123				
Bromodichloromethane	35	2.0	50.00	0	70.5	37	130				
Bromoform	36	2.0	50.00	0	71.7	43	121				
Bromomethane	43	2.0	50.00	0	87.0	32	130				
Carbon tetrachloride	36	2.0	50.00	0	71.9	37	134				
Chlorobenzene	35	2.0	50.00	0	69.4	40	124				
Chloroethane	31	2.0	50.00	0	62.6	35	141				C
Chloroform	34	2.0	50.00	0	69.0	36	126				
Chloromethane	49	2.0	50.00	0	98.8	42	141				
cis-1,3-Dichloropropene	35	2.0	50.00	0	70.9	30	130				
Dibromochloromethane	38	2.0	50.00	0	75.2	43	125				
Ethylbenzene	36	2.0	50.00	0	71.8	44	122				
Methylene chloride	41	2.0	50.00	0	82.5	32	132				B
Tetrachloroethene	33	2.0	50.00	0	65.1	31	120				
Toluene	37	2.0	50.00	0	75.0	42	124				
trans-1,2-Dichloroethene	35	2.0	50.00	0	69.6	38	122				
trans-1,3-Dichloropropene	34	2.0	50.00	0	68.0	45	123				
Trichloroethene	36	2.0	50.00	0	72.5	46	124				
Trichlorofluoromethane	50	2.0	50.00	0	99.2	45	137				
Vinyl chloride	55	2.0	50.00	0	110	46	139				
Surr: 4-Bromofluorobenzene	49		50.00		97.5	42	133				
Surr: Dibromofluoromethane	52		50.00		104	50	133				
Surr: Toluene-d8	53		50.00		106	53	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071212YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184G** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									C
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071212YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184G** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									C
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-071212YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/12/2012** RunNo: **64184**
Client ID: **PBS** Batch ID: **R64184G** TestNo: **SW8260C** Analysis Date: **7/12/2012** SeqNo: **908220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	5.8	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	48		50.00		95.7	42	133				
Surr: Dibromofluoromethane	50		50.00		99.7	50	133				
Surr: Toluene-d8	50		50.00		101	53	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DRYHG_S

Sample ID: **MBS071012B** SampType: **MBLK** TestCode: **DRYHG_S** Units: **mg/Kg** Prep Date: **7/10/2012** RunNo: **64220**
Client ID: **PBS** Batch ID: **36450** TestNo: **SW7471B** **SW7471B** Analysis Date: **7/10/2012** SeqNo: **907378**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	U	0.0100									

Sample ID: **LCSS071012B** SampType: **LCS** TestCode: **DRYHG_S** Units: **mg/Kg** Prep Date: **7/10/2012** RunNo: **64220**
Client ID: **LCSS** Batch ID: **36450** TestNo: **SW7471B** **SW7471B** Analysis Date: **7/10/2012** SeqNo: **907379**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.202	0.0100	0.2000	0	101	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

American Analytical Laboratories, LLC.

Date: *17-Jul-12*

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081_Soil

Sample ID: **1207066-16B-MS** SampType: **MS** TestCode: **Dry8081_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64283**
Client ID: **B-5 (5-8')** Batch ID: **36462** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DBCP	3.1	0.21	5.304	0	59.0	24	148				
Hexachlorobenzene	5.9	0.21	5.304	0	112	25	147				
Hexachlorocyclopentadiene	4.8	0.21	5.304	0	90.2	30	146				
Toxaphene	45	5.3	53.04	0	84.9	20	140				
Surr: DCB	24		26.52		89.3	23	157				
Surr: TCX	27		26.52		101	21	151				

Sample ID: **1207066-16B-MSD** SampType: **MSD** TestCode: **Dry8081_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64283**
Client ID: **B-5 (5-8')** Batch ID: **36462** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DBCP	3.0	0.21	5.370	0	55.3	24	148	3.129	5.26	20	
Hexachlorobenzene	5.3	0.21	5.370	0	99.2	25	147	5.919	10.5	20	
Hexachlorocyclopentadiene	5.0	0.21	5.370	0	92.4	30	146	4.782	3.70	20	
Toxaphene	44	5.4	53.70	0	82.6	20	140	45.05	1.49	20	
Surr: DCB	23		26.85		87.4	23	157		0	0	
Surr: TCX	26		26.85		98.4	21	151		0	0	

Sample ID: **1207066-01B-MS** SampType: **MS** TestCode: **Dry8081_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64306**
Client ID: **B-1 (0-2')** Batch ID: **36458** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	7.4	0.22	5.583	2.913	80.5	25	155				
4,4'-DDE	6.2	0.22	5.583	1.353	87.5	20	141				
4,4'-DDT	6.9	0.22	5.583	8.448	-27.4	22	140				S
Aldrin	6.2	0.22	5.583	0	110	24	154				
alpha-BHC	6.0	0.22	5.583	0	108	21	145				
beta-BHC	4.4	0.22	5.583	0	78.3	22	156				
Chlorobenzilate	2.7	0.22	5.583	0	48.2	25	145				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081_Soil

Sample ID: **1207066-01B-MS** SampType: **MS** TestCode: **Dry8081_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64306**
Client ID: **B-1 (0-2')** Batch ID: **36458** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DBCP	2.5	0.22	5.583	0	45.6	24	148				
delta-BHC	6.2	0.22	5.583	0	110	26	150				
Dieldrin	4.8	0.22	5.583	0	85.9	20	154				
Endosulfan I	7.0	0.22	5.583	0	125	23	151				
Endosulfan II	4.1	0.22	5.583	0	73.9	23	149				
Endosulfan sulfate	3.5	0.22	5.583	0	62.3	21	147				
Endrin	7.1	0.22	5.583	0	127	22	142				
Endrin aldehyde	4.2	0.22	5.583	0	74.7	20	145				
Endrin ketone	3.5	0.22	5.583	0	62.1	23	139				
gamma-BHC	4.3	0.22	5.583	0	77.8	21	147				
Heptachlor	4.1	0.22	5.583	0	74.2	23	147				
Heptachlor epoxide	7.5	0.22	5.583	0	134	24	152				
Hexachlorobenzene	4.6	0.22	5.583	0	81.5	25	147				
Hexachlorocyclopentadiene	4.7	0.22	5.583	0	84.8	30	146				
Methoxychlor	3.6	0.22	5.583	0	64.3	26	149				
Surr: DCB	17		27.91		59.8	23	157				
Surr: TCX	21		27.91		75.4	21	151				

Sample ID: **1207066-01B-MSD** SampType: **MSD** TestCode: **Dry8081_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64306**
Client ID: **B-1 (0-2')** Batch ID: **36458** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	7.8	0.22	5.572	2.913	87.8	25	155	7.405	5.24	20	
4,4´-DDE	7.3	0.22	5.572	1.353	107	20	141	6.239	16.0	20	
4,4´-DDT	5.2	0.22	5.572	8.448	-59.2	22	140	6.919	29.3	20	SR
Aldrin	6.4	0.22	5.572	0	114	24	154	6.152	3.49	20	
alpha-BHC	5.3	0.22	5.572	0	94.8	21	145	6.015	13.0	20	
beta-BHC	3.2	0.22	5.572	0	57.0	22	156	4.373	31.6	20	R
Chlorobenzilate	1.7	0.22	5.572	0	29.7	25	145	2.690	47.7	20	R
DBCP	2.0	0.22	5.572	0	35.0	24	148	2.549	26.6	20	R
delta-BHC	3.8	0.22	5.572	0	68.4	26	150	6.157	47.0	20	R

Qualifiers:
B Analyte detected in the associated Method Blank
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
C Calibration %RSD/%D exceeded for non-CCC analytes
P >40% diff for detected conc between the two GC column
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analy
PQL Practical Quantitation Limit
U Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081_Soil

Sample ID: **1207066-01B-MSD** SampType: **MSD** TestCode: **Dry8081_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64306**
Client ID: **B-1 (0-2')** Batch ID: **36458** TestNo: **SW8081B SW3550C** Analysis Date: **7/16/2012** SeqNo: **908850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	3.3	0.22	5.572	0	59.0	20	154	4.795	37.2	20	R
Endosulfan I	4.0	0.22	5.572	0	72.6	23	151	6.987	53.3	20	R
Endosulfan II	3.8	0.22	5.572	0	69.0	23	149	4.124	7.07	20	
Endosulfan sulfate	2.9	0.22	5.572	0	52.2	21	147	3.477	17.7	20	
Endrin	4.8	0.22	5.572	0	86.5	22	142	7.102	38.3	20	R
Endrin aldehyde	3.8	0.22	5.572	0	67.4	20	145	4.168	10.3	20	
Endrin ketone	4.4	0.22	5.572	0	79.6	23	139	3.466	24.5	20	R
gamma-BHC	5.2	0.22	5.572	0	94.0	21	147	4.346	18.6	20	
Heptachlor	3.6	0.22	5.572	0	64.6	23	147	4.144	14.0	20	
Heptachlor epoxide	6.9	0.22	5.572	0	123	24	152	7.460	8.42	20	
Hexachlorobenzene	2.8	0.22	5.572	0	49.9	25	147	4.551	48.3	20	R
Hexachlorocyclopentadiene	3.9	0.22	5.572	0	70.1	30	146	4.733	19.2	20	
Methoxychlor	6.6	0.22	5.572	0	119	26	149	3.592	59.3	20	R
Surr: DCB	14		27.86		49.9	23	157		0	0	
Surr: TCX	22		27.86		78.9	21	151		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8082_Soil

Sample ID: **1207066-08B-MS** SampType: **MS** TestCode: **Dry8082_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64280**
Client ID: **MW-3 (5-8')** Batch ID: **36461** TestNo: **SW8082A SW3550C** Analysis Date: **7/13/2012** SeqNo: **908339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	67	2.7	54.62	0	123	30	130				
Surr: TCX	26		27.31		94.0	17	151				
Surr: DCB	28		27.31		102	16	152				

Sample ID: **1207066-08B-MSD** SampType: **MSD** TestCode: **Dry8082_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64280**
Client ID: **MW-3 (5-8')** Batch ID: **36461** TestNo: **SW8082A SW3550C** Analysis Date: **7/13/2012** SeqNo: **908340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	56	2.6	52.98	0	105	30	130	67.32	18.6	20	
Surr: TCX	25		26.49		93.4	17	151		0	0	
Surr: DCB	25		26.49		94.9	16	152		0	0	

Sample ID: **1207089-03A-MS** SampType: **MS** TestCode: **Dry8082_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64293**
Client ID: **ZZZZZZ** Batch ID: **36457** TestNo: **SW8082A SW3550C** Analysis Date: **7/16/2012** SeqNo: **908617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	59	2.7	54.30	25.03	63.0	30	130				
Surr: TCX	17		27.15		62.5	17	151				
Surr: DCB	18		27.15		64.7	16	152				

Sample ID: **1207089-03A-MSD** SampType: **MSD** TestCode: **Dry8082_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64293**
Client ID: **ZZZZZZ** Batch ID: **36457** TestNo: **SW8082A SW3550C** Analysis Date: **7/16/2012** SeqNo: **908618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	68	2.7	54.22	25.03	79.9	30	130	59.25	14.2	20	
Surr: TCX	19		27.11		69.3	17	151		0	0	
Surr: DCB	16		27.11		58.5	16	152		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207051-06B-MS** SampType: **MS** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **ZZZZZZ** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908280**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	640	340	2686	0	23.7	21	128				
1,2-Dichlorobenzene	740	340	2686	0	27.6	20	129				
1,3-Dichlorobenzene	700	340	2686	0	26.2	19	122				
1,4-Dichlorobenzene	730	340	2686	0	27.1	22	127				
2,3,4,6-Tetrachlorophenol	540	340	2686	0	20.3	25	130				SC
2,4,5-Trichlorophenol	760	340	2686	0	28.3	23	129				
2,4,6-Trichlorophenol	760	340	2686	0	28.4	20	126				
2,4-Dimethylphenol	770	340	2686	0	28.5	22	130				
2,4-Dinitrophenol	100	340	2686	0	3.80	12	123				JS
2,4-Dinitrotoluene	770	340	2686	0	28.7	21	124				
2,6-Dinitrotoluene	750	340	2686	0	27.9	20	127				
2-Chloronaphthalene	850	340	2686	0	31.6	22	128				
2-Chlorophenol	760	340	2686	0	28.1	18	117				
2-Methylnaphthalene	730	340	2686	0	27.3	20	120				
2-Methylphenol	550	340	2686	0	20.6	20	120				C
2-Nitroaniline	840	340	2686	0	31.1	20	120				
2-Nitrophenol	720	340	2686	0	26.6	15	121				
3+4-Methylphenol	840	340	2686	0	31.3	25	137				
3-Nitroaniline	1000	340	2686	0	38.5	20	120				
4,6-Dinitro-2-methylphenol	320	340	2686	0	11.8	12	128				JS
4-Bromophenyl phenyl ether	700	340	2686	0	26.0	27	135				S
4-Chloro-3-methylphenol	780	340	2686	0	28.9	20	130				
4-Chloroaniline	760	340	2686	0	28.3	15	103				
4-Chlorophenyl phenyl ether	640	340	2686	0	23.8	35	125				S
4-Nitroaniline	750	340	2686	0	27.8	20	120				C
4-Nitrophenol	680	340	2686	0	25.5	22	141				C
Acenaphthene	780	340	2686	37.10	27.6	24	132				
Acenaphthylene	730	340	2686	0	27.3	22	134				
Aniline	550	340	2686	0	20.5	22	92				S
Anthracene	750	340	2686	254.9	18.4	23	139				S
Azobenzene	680	340	2686	0	25.5	5	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207051-06B-MS** SampType: **MS** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **ZZZZZZ** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908280**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	950	340	2686	140.6	30.1	24	134				
Benzo(a)pyrene	900	340	2686	131.7	28.6	23	136				
Benzo(b)fluoranthene	900	340	2686	88.00	30.1	24	132				
Benzo(g,h,i)perylene	900	340	2686	70.81	30.9	27	131				
Benzo(k)fluoranthene	830	340	2686	120.3	26.5	25	135				
Benzyl alcohol	860	340	2686	0	31.9	20	130				
Bis(2-chloroethoxy)methane	600	340	2686	0	22.2	23	133				S
Bis(2-chloroethyl)ether	680	340	2686	0	25.3	20	120				
Bis(2-chloroisopropyl)ether	840	340	2686	0	31.1	32	120				S
Bis(2-ethylhexyl)phthalate	730	340	2686	0	27.3	28	144				S
Butyl benzyl phthalate	830	340	2686	0	30.9	28	142				
Carbazole	880	340	2686	0	32.9	20	130				
Chrysene	870	340	2686	164.7	26.2	24	136				
Dibenzo(a,h)anthracene	860	340	2686	0	32.0	24	134				
Dibenzofuran	740	340	2686	0	27.4	20	130				
Diethyl phthalate	830	340	2686	0	30.8	24	130				
Dimethyl phthalate	820	340	2686	0	30.4	24	131				
Di-n-butyl phthalate	740	340	2686	0	27.4	25	133				
Di-n-octyl phthalate	710	340	2686	0	26.5	23	142				
Fluoranthene	970	340	2686	402.7	21.3	22	122				S
Fluorene	710	340	2686	55.45	24.5	22	124				
Hexachlorobenzene	580	340	2686	0	21.5	25	132				SC
Hexachlorobutadiene	600	340	2686	0	22.4	23	123				S
Hexachlorocyclopentadiene	440	340	2686	0	16.5	1	124				
Hexachloroethane	710	340	2686	0	26.6	3	111				
Indeno(1,2,3-c,d)pyrene	1000	340	2686	87.82	35.6	26	140				C
Isophorone	750	340	2686	0	27.9	23	127				
Naphthalene	760	340	2686	0	28.3	20	120				
Nitrobenzene	740	340	2686	0	27.4	17	117				
N-Nitrosodi-n-propylamine	840	340	2686	0	31.2	24	126				
N-Nitrosodiphenylamine	980	340	2686	0	36.6	22	136				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207051-06B-MS** SampType: **MS** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **ZZZZZZ** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908280**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	430	340	2686	0	16.1	17	116				SC
Phenanthrene	950	340	2686	253.7	25.8	18	126				
Phenol	610	340	2686	0	22.6	11	106				
Pyrene	1000	340	2686	347.1	26.1	20	137				
Pyridine	130	340	2686	0	4.76	10	120				JSC
Surr: 2,4,6-Tribromophenol	1300		2686		50.2	21	119				
Surr: 2-Fluorobiphenyl	750		1343		55.6	21	117				
Surr: 2-Fluorophenol	830		2686		30.9	11	105				
Surr: 4-Terphenyl-d14	680		1343		50.8	21	132				
Surr: Nitrobenzene-d5	670		1343		49.9	18	116				
Surr: Phenol-d6	1200		2686		46.4	12	110				

Sample ID: **1207051-06B-MSD** SampType: **MSD** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **ZZZZZZ** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	680	330	2680	0	25.3	21	128	636.1	6.35	20	
1,2-Dichlorobenzene	740	330	2680	0	27.6	20	129	741.3	0.259	20	
1,3-Dichlorobenzene	740	330	2680	0	27.6	19	122	703.3	4.97	20	
1,4-Dichlorobenzene	740	330	2680	0	27.8	22	127	728.6	2.11	20	
2,3,4,6-Tetrachlorophenol	620	330	2680	0	23.2	25	130	544.4	13.1	20	SC
2,4,5-Trichlorophenol	820	330	2680	0	30.7	23	129	760.8	7.80	20	
2,4,6-Trichlorophenol	900	330	2680	0	33.5	20	126	762.4	16.2	20	
2,4-Dimethylphenol	740	330	2680	0	27.5	22	130	765.7	3.80	20	
2,4-Dinitrophenol	77	330	2680	0	2.86	12	123	102.2	0	20	JS
2,4-Dinitrotoluene	860	330	2680	0	32.1	21	124	769.8	11.1	20	
2,6-Dinitrotoluene	1100	330	2680	0	40.4	20	127	750.2	36.3	20	R
2-Chloronaphthalene	890	330	2680	0	33.2	22	128	848.4	4.79	20	
2-Chlorophenol	760	330	2680	0	28.4	18	117	755.3	0.689	20	
2-Methylnaphthalene	780	330	2680	0	29.0	20	120	734.0	5.55	20	
2-Methylphenol	480	330	2680	0	18.1	20	120	552.8	13.1	20	SC

Qualifiers:
B Analyte detected in the associated Method Blank
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
C Calibration %RSD/%D exceeded for non-CCC analytes
P >40% diff for detected conc between the two GC column
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analy
PQL Practical Quantitation Limit
U Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207051-06B-MSD** SampType: **MSD** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **ZZZZZZ** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Nitroaniline	930	330	2680	0	34.6	20	120	835.6	10.3	20	
2-Nitrophenol	690	330	2680	0	25.9	15	121	715.2	3.01	20	
3+4-Methylphenol	790	330	2680	0	29.4	25	137	841.5	6.48	20	
3-Nitroaniline	1100	330	2680	0	40.8	20	120	1034	5.52	20	
4,6-Dinitro-2-methylphenol	290	330	2680	0	10.7	12	128	318.0	0	20	JS
4-Bromophenyl phenyl ether	950	330	2680	0	35.5	27	135	699.4	30.5	20	R
4-Chloro-3-methylphenol	840	330	2680	0	31.5	20	130	775.2	8.41	20	
4-Chloroaniline	770	330	2680	0	28.7	15	103	759.5	1.13	20	
4-Chlorophenyl phenyl ether	710	330	2680	0	26.5	35	125	640.3	10.3	20	S
4-Nitroaniline	680	330	2680	0	25.3	20	120	748.0	9.97	20	C
4-Nitrophenol	720	330	2680	0	26.8	22	141	684.4	4.85	20	C
Acenaphthene	910	330	2680	37.10	32.6	24	132	778.9	15.7	20	
Acenaphthylene	850	330	2680	0	31.9	22	134	733.8	15.2	20	
Aniline	490	330	2680	0	18.2	22	92	550.4	12.1	20	S
Anthracene	930	330	2680	254.9	25.3	23	139	749.4	21.7	20	R
Azobenzene	780	330	2680	0	29.1	5	110	684.9	12.8	20	
Benzo(a)anthracene	1100	330	2680	140.6	34.2	24	134	948.4	10.9	20	
Benzo(a)pyrene	1100	330	2680	131.7	36.3	23	136	901.1	20.4	20	R
Benzo(b)fluoranthene	1000	330	2680	88.00	34.7	24	132	896.4	12.6	20	
Benzo(g,h,i)perylene	1100	330	2680	70.81	37.9	27	131	900.0	18.9	20	
Benzo(k)fluoranthene	980	330	2680	120.3	32.2	25	135	830.9	16.7	20	
Benzyl alcohol	800	330	2680	0	30.0	20	130	856.6	6.48	20	
Bis(2-chloroethoxy)methane	590	330	2680	0	22.1	23	133	595.1	0.415	20	S
Bis(2-chloroethyl)ether	710	330	2680	0	26.5	20	120	679.2	4.49	20	
Bis(2-chloroisopropyl)ether	850	330	2680	0	31.8	32	120	836.3	1.95	20	S
Bis(2-ethylhexyl)phthalate	920	330	2680	0	34.2	28	144	733.6	22.3	20	R
Butyl benzyl phthalate	920	330	2680	0	34.2	28	142	830.8	9.90	20	
Carbazole	1100	330	2680	0	40.7	20	130	884.1	20.9	20	R
Chrysene	1000	330	2680	164.7	31.5	24	136	867.5	15.1	20	
Dibenzo(a,h)anthracene	1000	330	2680	0	38.8	24	134	859.4	18.9	20	
Dibenzofuran	830	330	2680	0	31.1	20	130	735.3	12.5	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207051-06B-MSD** SampType: **MSD** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/12/2012** RunNo: **64274**
Client ID: **ZZZZZZ** Batch ID: **36459** TestNo: **SW8270D SW3550C** Analysis Date: **7/13/2012** SeqNo: **908281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethyl phthalate	850	330	2680	0	31.6	24	130	828.6	2.06	20	
Dimethyl phthalate	980	330	2680	0	36.8	24	131	815.4	18.8	20	
Di-n-butyl phthalate	900	330	2680	0	33.7	25	133	735.2	20.5	20	R
Di-n-octyl phthalate	850	330	2680	0	31.6	23	142	712.3	17.3	20	
Fluoranthene	1500	330	2680	402.7	41.1	22	122	973.7	42.8	20	R
Fluorene	810	330	2680	55.45	28.2	22	124	714.4	12.6	20	
Hexachlorobenzene	860	330	2680	0	32.3	25	132	576.3	40.0	20	RC
Hexachlorobutadiene	570	330	2680	0	21.1	23	123	602.6	6.37	20	S
Hexachlorocyclopentadiene	550	330	2680	0	20.4	1	124	443.1	21.1	20	R
Hexachloroethane	780	330	2680	0	29.1	3	111	714.4	8.69	20	
Indeno(1,2,3-c,d)pyrene	1300	330	2680	87.82	44.5	26	140	1044	20.4	20	RC
Isophorone	770	330	2680	0	28.6	23	127	750.2	2.02	20	
Naphthalene	880	330	2680	0	32.9	20	120	759.7	14.8	20	
Nitrobenzene	720	330	2680	0	26.9	17	117	735.2	2.15	20	
N-Nitrosodi-n-propylamine	820	330	2680	0	30.7	24	126	838.5	1.78	20	
N-Nitrosodiphenylamine	1200	330	2680	0	46.5	22	136	982.8	23.7	20	R
Pentachlorophenol	580	330	2680	0	21.5	17	116	432.0	28.6	20	RC
Phenanthrene	1300	330	2680	253.7	40.8	18	126	947.0	34.9	20	R
Phenol	470	330	2680	0	17.6	11	106	607.3	25.0	20	R
Pyrene	1300	330	2680	347.1	36.0	20	137	1048	22.4	20	R
Pyridine	86	330	2680	0	3.21	10	120	127.9	0	20	JSC
Surr: 2,4,6-Tribromophenol	1400		2680		51.1	21	119		0	0	
Surr: 2-Fluorobiphenyl	830		1340		61.7	21	117		0	0	
Surr: 2-Fluorophenol	740		2680		27.6	11	105		0	0	
Surr: 4-Terphenyl-d14	770		1340		57.5	21	132		0	0	
Surr: Nitrobenzene-d5	640		1340		47.7	18	116		0	0	
Surr: Phenol-d6	910		2680		33.8	12	110		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207071-04B-MS** SampType: **MS** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **ZZZZZZ** Batch ID: **36465** TestNo: **SW8270D SW3550C** Analysis Date: **7/14/2012** SeqNo: **908310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	690	270	2190	0	31.6	21	128				
1,2-Dichlorobenzene	750	270	2190	0	34.2	20	129				
1,3-Dichlorobenzene	710	270	2190	0	32.5	19	122				
1,4-Dichlorobenzene	720	270	2190	0	32.8	22	127				
2,3,4,6-Tetrachlorophenol	950	270	2190	0	43.3	25	130				
2,4,5-Trichlorophenol	930	270	2190	0	42.5	23	129				
2,4,6-Trichlorophenol	880	270	2190	0	40.1	20	126				
2,4-Dimethylphenol	830	270	2190	0	38.1	22	130				
2,4-Dinitrotoluene	940	270	2190	0	42.9	21	124				
2,6-Dinitrotoluene	900	270	2190	0	40.9	20	127				
2-Chloronaphthalene	1000	270	2190	0	45.9	22	128				
2-Chlorophenol	860	270	2190	0	39.2	18	117				
2-Methylnaphthalene	720	270	2190	0	32.7	20	120				
2-Methylphenol	360	270	2190	0	16.5	20	120				S
2-Nitroaniline	1100	270	2190	0	49.5	20	120				
2-Nitrophenol	460	270	2190	0	21.0	15	121				
3+4-Methylphenol	890	270	2190	0	40.9	25	137				
3-Nitroaniline	1300	270	2190	0	59.9	20	120				
4-Bromophenyl phenyl ether	980	270	2190	0	44.6	27	135				
4-Chloro-3-methylphenol	790	270	2190	0	36.0	20	130				
4-Chloroaniline	600	270	2190	0	27.5	15	103				
4-Chlorophenyl phenyl ether	940	270	2190	0	42.9	35	125				
4-Nitroaniline	1400	270	2190	0	63.4	20	120				C
4-Nitrophenol	1000	270	2190	0	46.7	22	141				
Acenaphthene	950	270	2190	0	43.4	24	132				
Acenaphthylene	920	270	2190	0	42.0	22	134				
Aniline	470	270	2190	0	21.5	22	92				S
Anthracene	1000	270	2190	32.84	44.2	23	139				
Azobenzene	1100	270	2190	0	52.2	5	110				
Benzo(a)anthracene	950	270	2190	105.4	38.5	24	134				
Benzo(a)pyrene	920	270	2190	139.6	35.6	23	136				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207071-04B-MS** SampType: **MS** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **ZZZZZZ** Batch ID: **36465** TestNo: **SW8270D SW3550C** Analysis Date: **7/14/2012** SeqNo: **908310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	950	270	2190	196.7	34.3	24	132				
Benzo(g,h,i)perylene	730	270	2190	60.32	30.5	27	131				
Benzo(k)fluoranthene	840	270	2190	220.8	28.4	25	135				
Benzyl alcohol	910	270	2190	0	41.6	20	130				
Bis(2-chloroethoxy)methane	690	270	2190	0	31.7	23	133				
Bis(2-chloroethyl)ether	800	270	2190	0	36.7	20	120				
Bis(2-chloroisopropyl)ether	900	270	2190	0	41.2	32	120				
Bis(2-ethylhexyl)phthalate	970	270	2190	0	44.4	28	144				
Butyl benzyl phthalate	930	270	2190	0	42.6	28	142				
Carbazole	1400	270	2190	0	62.0	20	130				
Chrysene	970	270	2190	122.2	38.7	24	136				
Dibenzo(a,h)anthracene	760	270	2190	0	34.8	24	134				
Dibenzofuran	940	270	2190	0	43.0	20	130				
Diethyl phthalate	1100	270	2190	0	51.4	24	130				
Dimethyl phthalate	1100	270	2190	0	48.0	24	131				
Di-n-butyl phthalate	1200	270	2190	0	53.7	25	133				
Di-n-octyl phthalate	940	270	2190	0	42.7	23	142				
Fluoranthene	1500	270	2190	290.9	54.0	22	122				
Fluorene	940	270	2190	0	42.9	22	124				
Hexachlorobenzene	820	270	2190	0	37.4	25	132				
Hexachlorobutadiene	630	270	2190	0	29.0	23	123				
Hexachlorocyclopentadiene	72	270	2190	0	3.30	1	124				JC
Hexachloroethane	530	270	2190	0	24.2	3	111				
Indeno(1,2,3-c,d)pyrene	920	270	2190	88.71	37.9	26	140				
Isophorone	860	270	2190	0	39.2	23	127				
Naphthalene	790	270	2190	0	36.1	20	120				
Nitrobenzene	880	270	2190	0	40.4	17	117				
N-Nitrosodimethylamine	200	270	2190	0	9.11	5	110				JC
N-Nitrosodi-n-propylamine	810	270	2190	0	37.2	24	126				C
N-Nitrosodiphenylamine	1000	270	2190	0	46.2	22	136				
Pentachlorophenol	850	270	2190	0	38.7	17	116				C

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207071-04B-MS** SampType: **MS** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **ZZZZZZ** Batch ID: **36465** TestNo: **SW8270D SW3550C** Analysis Date: **7/14/2012** SeqNo: **908310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	1100	270	2190	114.6	43.3	18	126				
Phenol	860	270	2190	0	39.4	11	106				
Pyrene	940	270	2190	188.8	34.4	20	137				
Pyridine	240	270	2190	0	10.8	10	120				J
Surr: 2,4,6-Tribromophenol	1700		2190		77.5	21	119				
Surr: 2-Fluorobiphenyl	970		1095		88.2	21	117				
Surr: 2-Fluorophenol	1400		2190		64.0	11	105				
Surr: 4-Terphenyl-d14	830		1095		75.8	21	132				
Surr: Nitrobenzene-d5	790		1095		72.6	18	116				
Surr: Phenol-d6	1700		2190		77.0	12	110				

Sample ID: **1207071-04B-MSD** SampType: **MSD** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **ZZZZZZ** Batch ID: **36465** TestNo: **SW8270D SW3550C** Analysis Date: **7/14/2012** SeqNo: **908311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	700	280	2218	0	31.6	21	128	691.0	1.28	20	
1,2-Dichlorobenzene	820	280	2218	0	36.9	20	129	749.8	8.64	20	
1,3-Dichlorobenzene	810	280	2218	0	36.3	19	122	710.9	12.6	20	
1,4-Dichlorobenzene	810	280	2218	0	36.6	22	127	719.2	12.1	20	
2,3,4,6-Tetrachlorophenol	1000	280	2218	0	46.3	25	130	949.0	7.95	20	
2,4,5-Trichlorophenol	890	280	2218	0	40.0	23	129	931.2	4.91	20	
2,4,6-Trichlorophenol	830	280	2218	0	37.6	20	126	877.9	5.21	20	
2,4-Dimethylphenol	870	280	2218	0	39.2	22	130	834.4	4.12	20	
2,4-Dinitrotoluene	920	280	2218	0	41.4	21	124	939.3	2.18	20	
2,6-Dinitrotoluene	950	280	2218	0	42.8	20	127	895.2	5.83	20	
2-Chloronaphthalene	990	280	2218	0	44.8	22	128	1006	1.33	20	
2-Chlorophenol	880	280	2218	0	39.5	18	117	859.6	1.96	20	
2-Methylnaphthalene	800	280	2218	0	36.0	20	120	716.9	10.8	20	
2-Methylphenol	360	280	2218	0	16.1	20	120	360.5	1.22	20	S
2-Nitroaniline	1100	280	2218	0	49.7	20	120	1085	1.58	20	
2-Nitrophenol	440	280	2218	0	19.8	15	121	459.1	4.68	20	

Qualifiers:
B Analyte detected in the associated Method Blank
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
C Calibration %RSD/%D exceeded for non-CCC analytes
P >40% diff for detected conc between the two GC column
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analy
PQL Practical Quantitation Limit
U Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207071-04B-MSD** SampType: **MSD** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **ZZZZZZ** Batch ID: **36465** TestNo: **SW8270D SW3550C** Analysis Date: **7/14/2012** SeqNo: **908311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3+4-Methylphenol	880	280	2218	0	39.8	25	137	894.7	1.24	20	
3-Nitroaniline	1300	280	2218	0	58.1	20	120	1312	1.76	20	
4-Bromophenyl phenyl ether	890	280	2218	0	40.1	27	135	977.6	9.48	20	
4-Chloro-3-methylphenol	800	280	2218	0	36.0	20	130	789.1	1.21	20	
4-Chloroaniline	620	280	2218	0	27.9	15	103	602.9	2.56	20	
4-Chlorophenyl phenyl ether	980	280	2218	0	44.3	35	125	939.7	4.40	20	
4-Nitroaniline	1600	280	2218	0	71.3	20	120	1388	13.1	20	C
4-Nitrophenol	980	280	2218	0	44.1	22	141	1023	4.31	20	
Acenaphthene	1000	280	2218	0	44.9	24	132	949.7	4.84	20	
Acenaphthylene	990	280	2218	0	44.6	22	134	920.5	7.26	20	
Aniline	530	280	2218	0	24.1	22	92	471.1	12.6	20	
Anthracene	960	280	2218	32.84	41.8	23	139	1000	4.06	20	
Azobenzene	1100	280	2218	0	51.6	5	110	1143	0.128	20	
Benzo(a)anthracene	1100	280	2218	105.4	44.2	24	134	948.2	13.6	20	
Benzo(a)pyrene	990	280	2218	139.6	38.2	23	136	919.7	7.06	20	
Benzo(b)fluoranthene	860	280	2218	196.7	29.9	24	132	947.4	9.70	20	
Benzo(g,h,i)perylene	770	280	2218	60.32	31.9	27	131	728.5	5.30	20	
Benzo(k)fluoranthene	1000	280	2218	220.8	36.0	25	135	843.1	19.0	20	
Benzyl alcohol	900	280	2218	0	40.6	20	130	910.8	1.24	20	
Bis(2-chloroethoxy)methane	750	280	2218	0	33.8	23	133	694.0	7.87	20	
Bis(2-chloroethyl)ether	980	280	2218	0	44.0	20	120	804.7	19.2	20	
Bis(2-chloroisopropyl)ether	980	280	2218	0	44.3	32	120	901.4	8.56	20	
Bis(2-ethylhexyl)phthalate	1000	280	2218	0	45.1	28	144	971.7	3.00	20	
Butyl benzyl phthalate	980	280	2218	0	44.1	28	142	932.4	4.78	20	
Carbazole	1200	280	2218	0	53.8	20	130	1357	12.8	20	
Chrysene	1000	280	2218	122.2	40.6	24	136	970.5	5.21	20	
Dibenzo(a,h)anthracene	770	280	2218	0	34.7	24	134	763.2	0.945	20	
Dibenzofuran	980	280	2218	0	44.2	20	130	941.2	4.11	20	
Diethyl phthalate	1200	280	2218	0	53.5	24	130	1126	5.30	20	
Dimethyl phthalate	1100	280	2218	0	51.1	24	131	1050	7.69	20	
Di-n-butyl phthalate	1200	280	2218	0	52.2	25	133	1175	1.58	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **1207071-04B-MSD** SampType: **MSD** TestCode: **Dry8270_Soil** Units: **µg/Kg-dry** Prep Date: **7/13/2012** RunNo: **64276**
Client ID: **ZZZZZZ** Batch ID: **36465** TestNo: **SW8270D SW3550C** Analysis Date: **7/14/2012** SeqNo: **908311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	990	280	2218	0	44.6	23	142	935.4	5.67	20	
Fluoranthene	1400	280	2218	290.9	48.9	22	122	1474	6.90	20	
Fluorene	1100	280	2218	0	48.6	22	124	939.4	13.7	20	
Hexachlorobenzene	760	280	2218	0	34.1	25	132	818.4	7.75	20	
Hexachlorobutadiene	710	280	2218	0	32.1	23	123	634.2	11.6	20	
Hexachlorocyclopentadiene	57	280	2218	0	2.57	1	124	72.20	0	20	JC
Hexachloroethane	540	280	2218	0	24.2	3	111	530.7	1.18	20	
Indeno(1,2,3-c,d)pyrene	920	280	2218	88.71	37.6	26	140	918.8	0.508	20	
Isophorone	950	280	2218	0	42.8	23	127	859.4	10.0	20	
Naphthalene	860	280	2218	0	38.9	20	120	790.9	8.83	20	
Nitrobenzene	960	280	2218	0	43.1	17	117	884.3	7.75	20	
N-Nitrosodimethylamine	240	280	2218	0	10.9	5	110	199.6	0	20	JC
N-Nitrosodi-n-propylamine	950	280	2218	0	42.7	24	126	814.7	15.0	20	C
N-Nitrosodiphenylamine	900	280	2218	0	40.8	22	136	1013	11.3	20	
Pentachlorophenol	930	280	2218	0	41.9	17	116	848.6	9.14	20	C
Phenanthrene	1000	280	2218	114.6	40.1	18	126	1063	5.78	20	
Phenol	870	280	2218	0	39.2	11	106	863.0	0.759	20	
Pyrene	950	280	2218	188.8	34.2	20	137	942.4	0.466	20	
Pyridine	310	280	2218	0	13.9	10	120	235.9	26.4	20	R
Surr: 2,4,6-Tribromophenol	1400		2218		65.1	21	119		0	0	
Surr: 2-Fluorobiphenyl	970		1109		87.4	21	117		0	0	
Surr: 2-Fluorophenol	1500		2218		69.8	11	105		0	0	
Surr: 4-Terphenyl-d14	800		1109		72.3	21	132		0	0	
Surr: Nitrobenzene-d5	880		1109		79.4	18	116		0	0	
Surr: Phenol-d6	1700		2218		77.7	12	110		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207066
Project: 10504 Flatlands Ave., Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: DRYHG_S

Sample ID: **1207066-16B-MS** SampType: **MS** TestCode: **DRYHG_S** Units: **mg/Kg-dry** Prep Date: **7/10/2012** RunNo: **64220**
Client ID: **B-5 (5-8')** Batch ID: **36450** TestNo: **SW7471B** **SW7471B** Analysis Date: **7/10/2012** SeqNo: **907401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.304	0.0110	0.2191	0.08574	99.6	80	120				

Sample ID: **1207066-16B-MSD** SampType: **MSD** TestCode: **DRYHG_S** Units: **mg/Kg-dry** Prep Date: **7/10/2012** RunNo: **64220**
Client ID: **B-5 (5-8')** Batch ID: **36450** TestNo: **SW7471B** **SW7471B** Analysis Date: **7/10/2012** SeqNo: **907402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.311	0.0111	0.2213	0.08574	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : KOPTD 12-05

J.R.HOLZMACHER P.E., LLC

300 Wheeler Avenue

Suite 402

Hauppauge, NY - 11788

Phone No: 6312342220

ORDER ID : D3286

ATTENTION : Heather Sonnenberg

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

CHEMTECH

Table Of Contents

1) Signature Page		2
	1.1) TO-15- Case Narrative	5
2) Qualifier Page		6
3) QA Checklist		7
4) VOLATILES DATA		8
	4.1) Chronicle	8
	4.2) Hit Summary	9
	4.3) Sample Data	16
	4.4) VP-1	17
	4.5) VP-1DL	20
	4.6) VP-2	23
	4.7) VP-2DL	26
	4.8) VP-2DL2	29
	4.9) VP-3	32
	4.10) VP-3DL	35
	4.11) VP-3DL2	38
	4.12) VP-4	41
	4.13) VP-4DL	44
	4.14) VP-4DL2	47
	4.15) QC Data Summary For TO-15	50
	4.16) Deuterated Monitoring Compound Summary	51
	4.17) LCS/LCSD Summary	52
	4.18) Method Blank Summary	54
	4.19) GS/MS Tune Summary	55
	4.20) Internal Standard Area and RT Summary	57
	4.21) QC Sample Data	59
	4.22) Method Blank Raw Data	60
	4.23) LCS Raw Data	63
	4.24) Calibration Data Summary	66
	4.25) Initial Calibration Data	67
	4.26) Continued Calibration Data	69
5) Shipping Document		71
	5.1) CHAIN OF CUSTODY	72
	5.2) Air Bill	76
	5.3) Lab Certificate	77

5.4) Internal COC 78

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : D3286

Project ID : KoptD 12-05

Client : J.R.Holzmacher P.E., LLC

Lab Sample Number	Client Sample Number
D3286-01	VP-1
D3286-02	VP-2
D3286-03	VP-3
D3286-04	VP-4

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/17/2012

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

J.R.Holzmacher P.E., LLC
Project Name: KoptD 12-05
Project # N/A
Chemtech Project # D3286
Test Name: TO-15

A. Number of Samples and Date of Receipt:
4 Air samples were received on 07/09/2012.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SUMMA Canister Rental and TO-15. This data package contains results for TO-15.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.The analysis of TO-15 was based on method TO-15.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.
Samples VP-1, VP-2, VP-2DL, VP-3, VP-3DL, VP-4 and VP-4DL were diluted due to high concentrations.

E. Additional Comments:
F. Manual Integration Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: D3286

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: PRIYANKA PATEL **Date:** 07/17/2012

2nd Level QA Review Signature: _____ **Date:** _____

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	D3286	**OrderDate:**	7/5/2012 1:02:00 PM
Client:	J.R.Holzmacher P.E., LLC	**Project:**	KoptD 12-05
Contact:	Heather Sonnenberg	**Location:**	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
D3286-01	**VP-1**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-01DL	**VP-1DL**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-02	**VP-2**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-02DL	**VP-2DL**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-02DL 2	**VP-2DL2**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-03	**VP-3**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-03DL	**VP-3DL**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-03DL 2	**VP-3DL2**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-04	**VP-4**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-04DL	**VP-4DL**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	
D3286-04DL 2	**VP-4DL2**	**AIR**			**07/05/12**			**07/09/12**
			TO-15	TO-15			07/10/12	

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D3286

Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**VP-1**								
D3286-01	VP-1	AIR	Dichlorodifluoromethane	0.33		0.040	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Chloromethane	0.41		0.060	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Trichlorofluoromethane	0.19		0.040	0.05	0.10	ppbv
D3286-01	VP-1	AIR	1,1,2-Trichlorotrifluoroethane	0.07	J	0.040	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Heptane	5.10		0.060	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Acetone	87.40	E	0.100	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Carbon Disulfide	0.42		0.050	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Methyl tert-Butyl Ether	0.70		0.050	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Methylene Chloride	1.18		0.050	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Cyclohexane	1.25		0.080	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Carbon Tetrachloride	0.06		0.030	0.02	0.04	ppbv
D3286-01	VP-1	AIR	Chloroform	0.12		0.020	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Tetrahydrofuran	0.96		0.080	0.05	0.10	ppbv
D3286-01	VP-1	AIR	2,2,4-Trimethylpentane	8.10		0.040	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Benzene	1.94		0.040	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Trichloroethene	0.18		0.030	0.02	0.04	ppbv
D3286-01	VP-1	AIR	Toluene	15.50	E	0.050	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Tetrachloroethene	18.40	E	0.030	0.015	0.03	ppbv
D3286-01	VP-1	AIR	Ethyl Benzene	2.57		0.080	0.05	0.10	ppbv
D3286-01	VP-1	AIR	m/p-Xylene	8.81		0.110	0.1	0.20	ppbv
D3286-01	VP-1	AIR	o-Xylene	2.67		0.070	0.05	0.10	ppbv
D3286-01	VP-1	AIR	1,3,5-Trimethylbenzene	0.91		0.090	0.05	0.10	ppbv
D3286-01	VP-1	AIR	1,2,4-Trimethylbenzene	2.98		0.100	0.05	0.10	ppbv
D3286-01	VP-1	AIR	4-Ethyltoluene	1.38		0.080	0.05	0.10	ppbv
D3286-01	VP-1	AIR	1,4-Dichlorobenzene	0.92		0.060	0.05	0.10	ppbv
D3286-01	VP-1	AIR	Hexane	3.73		0.040	0.05	0.10	ppbv
			Total Voc :		**166.28**				
			Total Concentration:		**166.28**				
Client ID:	**VP-1DL**								
D3286-01DL	VP-1DL	AIR	Heptane	4.10	D	0.600	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	Acetone	106.00	D	1.0	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	Methylene Chloride	2.40	D	0.500	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	Tetrahydrofuran	2.20	D	0.800	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	2,2,4-Trimethylpentane	6.70	D	0.400	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	Benzene	1.70	D	0.400	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	4-Methyl-2-Pentanone	1.00	JD	0.600	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	Toluene	12.70	D	0.500	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	Tetrachloroethene	14.20	D	0.300	0.15	0.30	ppbv

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D3286

Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D3286-01DL	VP-1DL	AIR	Ethyl Benzene	1.80	D	0.800	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	m/p-Xylene	6.70	D	1.1	1	2.00	ppbv
D3286-01DL	VP-1DL	AIR	o-Xylene	2.00	D	0.700	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	1,2,4-Trimethylbenzene	2.30	D	1.0	0.5	1.00	ppbv
D3286-01DL	VP-1DL	AIR	Hexane	3.30	D	0.400	0.5	1.00	ppbv
			Total Voc :	**167.10**					
			Total Concentration:	**167.10**					
Client ID:	**VP-2**								
D3286-02	VP-2	AIR	Dichlorodifluoromethane	0.31		0.100	0.13	0.26	ppbv
D3286-02	VP-2	AIR	tert-Butyl alcohol	24.30		0.260	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Chloromethane	1.38		0.160	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Trichlorofluoromethane	0.23	J	0.100	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Heptane	19.60		0.160	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Acetone	513.00	E	0.260	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Carbon Disulfide	0.55		0.130	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Methyl tert-Butyl Ether	1.22		0.130	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Methylene Chloride	4.39		0.130	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Cyclohexane	3.77		0.210	0.13	0.26	ppbv
D3286-02	VP-2	AIR	2-Butanone	26.20		0.260	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Chloroform	0.57		0.052	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Tetrahydrofuran	4.13		0.210	0.13	0.26	ppbv
D3286-02	VP-2	AIR	2,2,4-Trimethylpentane	18.00		0.100	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Benzene	7.51		0.100	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Trichloroethene	0.47		0.078	0.05	0.10	ppbv
D3286-02	VP-2	AIR	4-Methyl-2-Pentanone	2.42		0.160	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Toluene	60.70	E	0.130	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Tetrachloroethene	54.60	E	0.078	0.04	0.08	ppbv
D3286-02	VP-2	AIR	Ethyl Benzene	9.75		0.210	0.13	0.26	ppbv
D3286-02	VP-2	AIR	m/p-Xylene	33.90		0.290	0.26	0.52	ppbv
D3286-02	VP-2	AIR	o-Xylene	10.60		0.180	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Styrene	0.75		0.180	0.13	0.26	ppbv
D3286-02	VP-2	AIR	1,3,5-Trimethylbenzene	4.13		0.230	0.13	0.26	ppbv
D3286-02	VP-2	AIR	1,2,4-Trimethylbenzene	13.20		0.260	0.13	0.26	ppbv
D3286-02	VP-2	AIR	4-Ethyltoluene	5.23		0.210	0.13	0.26	ppbv
D3286-02	VP-2	AIR	Hexane	13.50		0.100	0.13	0.26	ppbv
			Total Voc :	**834.41**					
			Total Concentration:	**834.41**					
Client ID:	**VP-2DL**								
D3286-02DL	VP-2DL	AIR	tert-Butyl alcohol	21.80	D	2.6	1.3	2.60	ppbv

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D3286

Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D3286-02DL	VP-2DL	AIR	Heptane	16.60	D	1.6	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	Acetone	2,090.00	ED	2.6	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	Methylene Chloride	8.84	D	1.3	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	Cyclohexane	3.64	D	2.1	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	2-Butanone	21.80	D	2.6	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	Tetrahydrofuran	3.38	D	2.1	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	2,2,4-Trimethylpentane	14.30	D	1.0	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	Benzene	6.24	D	1.0	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	Toluene	47.60	D	1.3	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	Tetrachloroethene	40.60	D	0.780	0.39	0.78	ppbv
D3286-02DL	VP-2DL	AIR	Ethyl Benzene	6.76	D	2.1	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	m/p-Xylene	24.70	D	2.9	2.6	5.20	ppbv
D3286-02DL	VP-2DL	AIR	o-Xylene	7.80	D	1.8	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	1,3,5-Trimethylbenzene	3.12	D	2.3	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	1,2,4-Trimethylbenzene	9.62	D	2.6	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	4-Ethyltoluene	3.64	D	2.1	1.3	2.60	ppbv
D3286-02DL	VP-2DL	AIR	Hexane	12.70	D	1.0	1.3	2.60	ppbv
			Total Voc :	**2,343.14**					
			Total Concentration:	**2,343.14**					
Client ID:	**VP-2DL2**								
D3286-02DL2	VP-2DL2	AIR	tert-Butyl alcohol	26.00	JD	26	13	26.0	ppbv
D3286-02DL2	VP-2DL2	AIR	Acetone	3,300.00	D	26	13	26.0	ppbv
D3286-02DL2	VP-2DL2	AIR	2-Butanone	31.20	D	26	13	26.0	ppbv
D3286-02DL2	VP-2DL2	AIR	Toluene	36.40	D	13	13	26.0	ppbv
D3286-02DL2	VP-2DL2	AIR	Tetrachloroethene	39.00	D	7.8	3.9	7.80	ppbv
			Total Voc :	**3,432.60**					
			Total Concentration:	**3,432.60**					
Client ID:	**VP-3**								
D3286-03	VP-3	AIR	Dichlorodifluoromethane	0.18		0.040	0.05	0.10	ppbv
D3286-03	VP-3	AIR	tert-Butyl alcohol	5.17		0.100	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Chloromethane	0.36		0.060	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Trichlorofluoromethane	0.21		0.040	0.05	0.10	ppbv
D3286-03	VP-3	AIR	1,1,2-Trichlorotrifluoroethane	0.06	J	0.040	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Heptane	7.86		0.060	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Acetone	133.00	E	0.100	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Carbon Disulfide	0.32		0.050	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Methyl tert-Butyl Ether	4.74		0.050	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Methylene Chloride	2.00		0.050	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Cyclohexane	1.27		0.080	0.05	0.10	ppbv

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D3286

Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D3286-03	VP-3	AIR	2-Butanone	6.96		0.100	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Carbon Tetrachloride	0.06		0.030	0.02	0.04	ppbv
D3286-03	VP-3	AIR	Chloroform	0.22		0.020	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Tetrahydrofuran	2.08		0.080	0.05	0.10	ppbv
D3286-03	VP-3	AIR	2,2,4-Trimethylpentane	27.90	E	0.040	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Benzene	3.23		0.040	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Trichloroethene	0.29		0.030	0.02	0.04	ppbv
D3286-03	VP-3	AIR	4-Methyl-2-Pentanone	1.15		0.060	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Toluene	27.30	E	0.050	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Tetrachloroethene	26.20	E	0.030	0.015	0.03	ppbv
D3286-03	VP-3	AIR	Ethyl Benzene	4.82		0.080	0.05	0.10	ppbv
D3286-03	VP-3	AIR	m/p-Xylene	16.30		0.110	0.1	0.20	ppbv
D3286-03	VP-3	AIR	o-Xylene	5.02		0.070	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Styrene	0.11		0.070	0.05	0.10	ppbv
D3286-03	VP-3	AIR	1,3,5-Trimethylbenzene	1.67		0.090	0.05	0.10	ppbv
D3286-03	VP-3	AIR	1,2,4-Trimethylbenzene	5.28		0.100	0.05	0.10	ppbv
D3286-03	VP-3	AIR	4-Ethyltoluene	2.34		0.080	0.05	0.10	ppbv
D3286-03	VP-3	AIR	Hexane	5.09		0.040	0.05	0.10	ppbv
			Total Voc :	**291.19**					
			Total Concentration:	**291.19**					
Client ID:	**VP-3DL**								
D3286-03DL	VP-3DL	AIR	tert-Butyl alcohol	4.20	D	1.0	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Heptane	5.90	D	0.600	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Acetone	281.00	ED	1.0	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Methyl tert-Butyl Ether	3.80	D	0.500	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Methylene Chloride	2.90	D	0.500	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Cyclohexane	1.20	D	0.800	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	2-Butanone	5.60	D	1.0	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Tetrahydrofuran	1.60	D	0.800	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	2,2,4-Trimethylpentane	23.40	D	0.400	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Benzene	2.60	D	0.400	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Toluene	21.40	D	0.500	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	Tetrachloroethene	19.50	D	0.300	0.15	0.30	ppbv
D3286-03DL	VP-3DL	AIR	Ethyl Benzene	3.30	D	0.800	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	m/p-Xylene	11.70	D	1.1	1	2.00	ppbv
D3286-03DL	VP-3DL	AIR	o-Xylene	3.50	D	0.700	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	1,3,5-Trimethylbenzene	1.20	D	0.900	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	1,2,4-Trimethylbenzene	3.70	D	1.0	0.5	1.00	ppbv
D3286-03DL	VP-3DL	AIR	4-Ethyltoluene	1.60	D	0.800	0.5	1.00	ppbv

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D3286

Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D3286-03DL	VP-3DL	AIR	Hexane	4.10	D	0.400	0.5	1.00	ppbv
			Total Voc :		**402.20**				
			Total Concentration:		**402.20**				
Client ID:	**VP-3DL2**								
D3286-03DL2	VP-3DL2	AIR	tert-Butyl alcohol	4.40	D	4.0	2	4.00	ppbv
D3286-03DL2	VP-3DL2	AIR	Heptane	4.80	D	2.4	2	4.00	ppbv
D3286-03DL2	VP-3DL2	AIR	Acetone	291.00	D	4.0	2	4.00	ppbv
D3286-03DL2	VP-3DL2	AIR	2,2,4-Trimethylpentane	19.60	D	1.6	2	4.00	ppbv
D3286-03DL2	VP-3DL2	AIR	Toluene	18.00	D	2.0	2	4.00	ppbv
D3286-03DL2	VP-3DL2	AIR	Tetrachloroethene	16.80	D	1.2	0.6	1.20	ppbv
D3286-03DL2	VP-3DL2	AIR	m/p-Xylene	8.40	D	4.4	4	8.00	ppbv
D3286-03DL2	VP-3DL2	AIR	o-Xylene	2.80	JD	2.8	2	4.00	ppbv
D3286-03DL2	VP-3DL2	AIR	Hexane	4.40	D	1.6	2	4.00	ppbv
			Total Voc :		**370.20**				
			Total Concentration:		**370.20**				
Client ID:	**VP-4**								
D3286-04	VP-4	AIR	Dichlorodifluoromethane	0.23		0.040	0.05	0.10	ppbv
D3286-04	VP-4	AIR	tert-Butyl alcohol	10.20		0.100	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Chloromethane	0.29		0.060	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Chloroethane	0.14		0.070	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Trichlorofluoromethane	0.17		0.040	0.05	0.10	ppbv
D3286-04	VP-4	AIR	1,1,2-Trichlorotrifluoroethane	0.06	J	0.040	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Heptane	12.30		0.060	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Acetone	150.00	E	0.100	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Carbon Disulfide	2.05		0.050	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Methylene Chloride	1.67		0.050	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Cyclohexane	2.05		0.080	0.05	0.10	ppbv
D3286-04	VP-4	AIR	2-Butanone	12.00		0.100	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Carbon Tetrachloride	0.03	J	0.030	0.02	0.04	ppbv
D3286-04	VP-4	AIR	Chloroform	0.18		0.020	0.05	0.10	ppbv
D3286-04	VP-4	AIR	1,1,1-Trichloroethane	0.77		0.030	0.02	0.04	ppbv
D3286-04	VP-4	AIR	Tetrahydrofuran	2.22		0.080	0.05	0.10	ppbv
D3286-04	VP-4	AIR	2,2,4-Trimethylpentane	3.37		0.040	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Benzene	4.54		0.040	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Trichloroethene	0.31		0.030	0.02	0.04	ppbv
D3286-04	VP-4	AIR	4-Methyl-2-Pentanone	1.74		0.060	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Toluene	46.20	E	0.050	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Tetrachloroethene	53.90	E	0.030	0.015	0.03	ppbv
D3286-04	VP-4	AIR	Ethyl Benzene	11.30		0.080	0.05	0.10	ppbv

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D3286

Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D3286-04	VP-4	AIR	m/p-Xylene	39.90	E	0.110	0.1	0.20	ppbv
D3286-04	VP-4	AIR	o-Xylene	12.90		0.070	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Styrene	0.20		0.070	0.05	0.10	ppbv
D3286-04	VP-4	AIR	1,3,5-Trimethylbenzene	4.58		0.090	0.05	0.10	ppbv
D3286-04	VP-4	AIR	1,2,4-Trimethylbenzene	13.40		0.100	0.05	0.10	ppbv
D3286-04	VP-4	AIR	4-Ethyltoluene	6.96		0.080	0.05	0.10	ppbv
D3286-04	VP-4	AIR	Hexane	7.39		0.040	0.05	0.10	ppbv
			Total Voc :		**401.05**				
			Total Concentration:		**401.05**				
Client ID:	**VP-4DL**								
D3286-04DL	VP-4DL	AIR	tert-Butyl alcohol	9.40	D	1.0	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Heptane	11.10	D	0.600	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Acetone	509.00	ED	1.0	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Carbon Disulfide	1.90	D	0.500	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Methylene Chloride	3.00	D	0.500	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Cyclohexane	1.90	D	0.800	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	2-Butanone	11.00	D	1.0	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	1,1,1-Trichloroethane	0.70	D	0.300	0.2	0.40	ppbv
D3286-04DL	VP-4DL	AIR	Tetrahydrofuran	2.00	D	0.800	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	2,2,4-Trimethylpentane	2.90	D	0.400	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Benzene	4.30	D	0.400	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	4-Methyl-2-Pentanone	1.30	D	0.600	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Toluene	44.90	D	0.500	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Tetrachloroethene	49.20	D	0.300	0.15	0.30	ppbv
D3286-04DL	VP-4DL	AIR	Ethyl Benzene	9.80	D	0.800	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	m/p-Xylene	35.90	D	1.1	1	2.00	ppbv
D3286-04DL	VP-4DL	AIR	o-Xylene	11.30	D	0.700	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	1,3,5-Trimethylbenzene	4.10	D	0.900	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	1,2,4-Trimethylbenzene	11.90	D	1.0	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	4-Ethyltoluene	5.50	D	0.800	0.5	1.00	ppbv
D3286-04DL	VP-4DL	AIR	Hexane	7.00	D	0.400	0.5	1.00	ppbv
			Total Voc :		**738.10**				
			Total Concentration:		**738.10**				
Client ID:	**VP-4DL2**								
D3286-04DL2	VP-4DL2	AIR	Acetone	678.00	D	10	5	10.0	ppbv
D3286-04DL2	VP-4DL2	AIR	Toluene	34.00	D	5.0	5	10.0	ppbv
D3286-04DL2	VP-4DL2	AIR	Tetrachloroethene	46.00	D	3.0	1.5	3.00	ppbv
D3286-04DL2	VP-4DL2	AIR	m/p-Xylene	26.00	D	11	10	20.0	ppbv
			Total Voc :		**784.00**				

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D3286

Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:		**784.00**				

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-1	SDG No.:	D3286
Lab Sample ID:	D3286-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017477.D	1		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.33	1.63		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	0.1	0.15	U	0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.41	0.85		0.06	0.05	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.2	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.07	0.09	U	0.07	0.07	0.07	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.05	0.13	U	0.07	0.05	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.19	1.07		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.07	0.54	J	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	5.1	20.9		0.06	0.05	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	87.4	207	E	0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	0.42	1.31		0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.7	2.52		0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	1.18	4.1		0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.05	0.2	U	0.06	0.05	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	1.25	4.3		0.08	0.05	0.1	ppbv
78-93-3	2-Butanone	0.1	0.15	U	0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.06	0.38		0.03	0.02	0.04	ppbv
156-59-2	cis-1,2-Dichloroethene	0.05	0.2	U	0.06	0.05	0.1	ppbv
67-66-3	Chloroform	0.12	0.59		0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.05	0.18	U	0.09	0.05	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.02	0.11	U	0.03	0.02	0.04	ppbv
109-99-9	Tetrahydrofuran	0.96	2.83		0.08	0.05	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	8.1	37.8		0.04	0.05	0.1	ppbv
71-43-2	Benzene	1.94	6.2		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.05	0.2	U	0.07	0.05	0.1	ppbv
79-01-6	Trichloroethene	0.18	0.97		0.03	0.02	0.04	ppbv
78-87-5	1,2-Dichloropropane	0.05	0.23	U	0.06	0.05	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.05	0.2	U	0.06	0.05	0.1	ppbv
108-88-3	Toluene	15.5	58.4	E	0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.05	0.23	U	0.07	0.05	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.05	0.23	U	0.06	0.05	0.1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-1	SDG No.:	D3286
Lab Sample ID:	D3286-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017477.D	1		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.05	0.27	U	0.08	0.05	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.05	0.38	U	0.07	0.05	0.1	ppbv
127-18-4	Tetrachloroethene	18.4	124	E	0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.05	0.23	U	0.09	0.05	0.1	ppbv
100-41-4	Ethyl Benzene	2.57	11.2		0.08	0.05	0.1	ppbv
179601-23-1	m/p-Xylene	8.81	38.3		0.11	0.1	0.2	ppbv
95-47-6	o-Xylene	2.67	11.6		0.07	0.05	0.1	ppbv
100-42-5	Styrene	0.05	0.21	U	0.07	0.05	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.34	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.26	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	0.91	4.47		0.09	0.05	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	2.98	14.6		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	1.38	6.78		0.08	0.05	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.05	0.3	U	0.08	0.05	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.92	5.53		0.06	0.05	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.05	0.3	U	0.07	0.05	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.05	0.53	U	0.08	0.05	0.1	ppbv
106-99-0	1,3-Butadiene	0.05	0.11	U	0.09	0.05	0.1	ppbv
110-54-3	Hexane	3.73	13.2		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135		104%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	895538		6.37				
540-36-3	1,4-Difluorobenzene	2487920		7.93				
3114-55-4	Chlorobenzene-d5	2125550		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-1	SDG No.:	D3286
Lab Sample ID:	D3286-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017477.D	1		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-1DL	SDG No.:	D3286
Lab Sample ID:	D3286-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017478.D	10		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.5	2.47	U	0.4	0.5	1	ppbv
75-65-0	tert-Butyl alcohol	1	1.52	U	1	1	1	ppbv
74-87-3	Chloromethane	0.5	1.03	U	0.6	0.5	1	ppbv
80-62-6	Methyl Methacrylate	1	2.05	U	1	1	1	ppbv
75-01-4	Vinyl Chloride	0.7	0.89	U	0.7	0.7	0.7	ppbv
74-83-9	Bromomethane	0.5	1.94	U	0.3	0.5	1	ppbv
75-00-3	Chloroethane	0.5	1.32	U	0.7	0.5	1	ppbv
75-69-4	Trichlorofluoromethane	0.5	2.81	U	0.4	0.5	1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.4	0.5	1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	3.83	U	0.4	0.5	1	ppbv
593-60-2	Bromoethene	0.5	2.19	U	0.3	0.5	1	ppbv
142-82-5	Heptane	4.1	16.8	D	0.6	0.5	1	ppbv
75-35-4	1,1-Dichloroethene	0.5	1.98	U	0.5	0.5	1	ppbv
67-64-1	Acetone	106	251	D	1	1	1	ppbv
75-15-0	Carbon Disulfide	0.5	1.56	U	0.5	0.5	1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	U	0.5	0.5	1	ppbv
75-09-2	Methylene Chloride	2.4	8.34	D	0.5	0.5	1	ppbv
107-05-1	Allyl Chloride	0.5	1.57	U	0.5	0.5	1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.5	1.98	U	0.6	0.5	1	ppbv
75-34-3	1,1-Dichloroethane	0.5	2.02	U	0.4	0.5	1	ppbv
110-82-7	Cyclohexane	0.5	1.72	U	0.8	0.5	1	ppbv
78-93-3	2-Butanone	1	1.47	U	1	1	1	ppbv
56-23-5	Carbon Tetrachloride	0.2	1.26	U	0.3	0.2	0.4	ppbv
156-59-2	cis-1,2-Dichloroethene	0.5	1.98	U	0.6	0.5	1	ppbv
67-66-3	Chloroform	0.5	2.44	U	0.2	0.5	1	ppbv
123-91-1	1,4-Dioxane	0.5	1.8	U	0.9	0.5	1	ppbv
71-55-6	1,1,1-Trichloroethane	0.2	1.09	U	0.3	0.2	0.4	ppbv
109-99-9	Tetrahydrofuran	2.2	6.49	D	0.8	0.5	1	ppbv
540-84-1	2,2,4-Trimethylpentane	6.7	31.3	D	0.4	0.5	1	ppbv
71-43-2	Benzene	1.7	5.43	D	0.4	0.5	1	ppbv
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.7	0.5	1	ppbv
79-01-6	Trichloroethene	0.2	1.07	U	0.3	0.2	0.4	ppbv
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.6	0.5	1	ppbv
75-27-4	Bromodichloromethane	0.5	3.35	U	0.5	0.5	1	ppbv
108-10-1	4-Methyl-2-Pentanone	1	4.1	JD	0.6	0.5	1	ppbv
108-88-3	Toluene	12.7	47.9	D	0.5	0.5	1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.7	0.5	1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.6	0.5	1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-1DL	SDG No.:	D3286
Lab Sample ID:	D3286-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017478.D	10		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.8	0.5	1	ppbv
124-48-1	Dibromochloromethane	0.5	4.26	U	0.5	0.5	1	ppbv
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.7	0.5	1	ppbv
127-18-4	Tetrachloroethene	14.2	96.3	D	0.3	0.3	0.3	ppbv
108-90-7	Chlorobenzene	0.5	2.3	U	0.9	0.5	1	ppbv
100-41-4	Ethyl Benzene	1.8	7.82	D	0.8	0.5	1	ppbv
179601-23-1	m/p-Xylene	6.7	29.1	D	1.1	1	2	ppbv
95-47-6	o-Xylene	2	8.69	D	0.7	0.5	1	ppbv
100-42-5	Styrene	0.5	2.13	U	0.7	0.5	1	ppbv
75-25-2	Bromoform	0.5	5.17	U	0.5	0.5	1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	1	3.43	U	1	1	1	ppbv
95-49-8	2-Chlorotoluene	1	2.59	U	1	1	1	ppbv
108-67-8	1,3,5-Trimethylbenzene	0.5	2.46	U	0.9	0.5	1	ppbv
95-63-6	1,2,4-Trimethylbenzene	2.3	11.3	D	1	1	1	ppbv
622-96-8	4-Ethyltoluene	0.5	2.46	U	0.8	0.5	1	ppbv
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.8	0.5	1	ppbv
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.5	1	ppbv
95-50-1	1,2-Dichlorobenzene	0.5	3.01	U	0.7	0.5	1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	U	0.4	0.5	1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	0.8	0.5	1	ppbv
106-99-0	1,3-Butadiene	0.5	1.11	U	0.9	0.5	1	ppbv
110-54-3	Hexane	3.3	11.6	D	0.4	0.5	1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135		102%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1026620		6.37				
540-36-3	1,4-Difluorobenzene	3011320		7.93				
3114-55-4	Chlorobenzene-d5	2574240		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-1DL	SDG No.:	D3286
Lab Sample ID:	D3286-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017478.D	10		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2	SDG No.:	D3286
Lab Sample ID:	D3286-02	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017479.D	2.6		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.31	1.53		0.1	0.13	0.26	ppbv
75-65-0	tert-Butyl alcohol	24.3	73.7		0.26	0.26	0.26	ppbv
74-87-3	Chloromethane	1.38	2.85		0.16	0.13	0.26	ppbv
80-62-6	Methyl Methacrylate	0.26	0.53	U	0.26	0.26	0.26	ppbv
75-01-4	Vinyl Chloride	0.18	0.23	U	0.18	0.18	0.18	ppbv
74-83-9	Bromomethane	0.13	0.5	U	0.078	0.13	0.26	ppbv
75-00-3	Chloroethane	0.13	0.34	U	0.18	0.13	0.26	ppbv
75-69-4	Trichlorofluoromethane	0.23	1.29	J	0.1	0.13	0.26	ppbv
76-14-2	Dichlorotetrafluoroethane	0.13	0.91	U	0.1	0.13	0.26	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	1	U	0.1	0.13	0.26	ppbv
593-60-2	Bromoethene	0.13	0.57	U	0.078	0.13	0.26	ppbv
142-82-5	Heptane	19.6	80.3		0.16	0.13	0.26	ppbv
75-35-4	1,1-Dichloroethene	0.13	0.52	U	0.13	0.13	0.26	ppbv
67-64-1	Acetone	513	1218	E	0.26	0.26	0.26	ppbv
75-15-0	Carbon Disulfide	0.55	1.71		0.13	0.13	0.26	ppbv
1634-04-4	Methyl tert-Butyl Ether	1.22	4.4		0.13	0.13	0.26	ppbv
75-09-2	Methylene Chloride	4.39	15.2		0.13	0.13	0.26	ppbv
107-05-1	Allyl Chloride	0.13	0.41	U	0.13	0.13	0.26	ppbv
156-60-5	trans-1,2-Dichloroethene	0.13	0.52	U	0.16	0.13	0.26	ppbv
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.1	0.13	0.26	ppbv
110-82-7	Cyclohexane	3.77	13.0		0.21	0.13	0.26	ppbv
78-93-3	2-Butanone	26.2	77.3		0.26	0.26	0.26	ppbv
56-23-5	Carbon Tetrachloride	0.05	0.31	U	0.078	0.05	0.1	ppbv
156-59-2	cis-1,2-Dichloroethene	0.13	0.52	U	0.16	0.13	0.26	ppbv
67-66-3	Chloroform	0.57	2.78		0.052	0.13	0.26	ppbv
123-91-1	1,4-Dioxane	0.13	0.47	U	0.23	0.13	0.26	ppbv
71-55-6	1,1,1-Trichloroethane	0.05	0.27	U	0.078	0.05	0.1	ppbv
109-99-9	Tetrahydrofuran	4.13	12.2		0.21	0.13	0.26	ppbv
540-84-1	2,2,4-Trimethylpentane	18	84.1		0.1	0.13	0.26	ppbv
71-43-2	Benzene	7.51	24.0		0.1	0.13	0.26	ppbv
107-06-2	1,2-Dichloroethane	0.13	0.53	U	0.18	0.13	0.26	ppbv
79-01-6	Trichloroethene	0.47	2.53		0.078	0.05	0.1	ppbv
78-87-5	1,2-Dichloropropane	0.13	0.6	U	0.16	0.13	0.26	ppbv
75-27-4	Bromodichloromethane	0.13	0.87	U	0.13	0.13	0.26	ppbv
108-10-1	4-Methyl-2-Pentanone	2.42	9.92		0.16	0.13	0.26	ppbv
108-88-3	Toluene	60.7	228	E	0.13	0.13	0.26	ppbv
10061-02-6	t-1,3-Dichloropropene	0.13	0.59	U	0.18	0.13	0.26	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.13	0.59	U	0.16	0.13	0.26	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2	SDG No.:	D3286
Lab Sample ID:	D3286-02	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017479.D	2.6		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.13	0.71	U	0.21	0.13	0.26	ppbv
124-48-1	Dibromochloromethane	0.13	1.11	U	0.13	0.13	0.26	ppbv
106-93-4	1,2-Dibromoethane	0.13	1	U	0.18	0.13	0.26	ppbv
127-18-4	Tetrachloroethene	54.6	370	E	0.078	0.04	0.08	ppbv
108-90-7	Chlorobenzene	0.13	0.6	U	0.23	0.13	0.26	ppbv
100-41-4	Ethyl Benzene	9.75	42.4		0.21	0.13	0.26	ppbv
179601-23-1	m/p-Xylene	33.9	147		0.29	0.26	0.52	ppbv
95-47-6	o-Xylene	10.6	46.0		0.18	0.13	0.26	ppbv
100-42-5	Styrene	0.75	3.19		0.18	0.13	0.26	ppbv
75-25-2	Bromoform	0.13	1.34	U	0.13	0.13	0.26	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.26	0.89	U	0.26	0.26	0.26	ppbv
95-49-8	2-Chlorotoluene	0.26	0.67	U	0.26	0.26	0.26	ppbv
108-67-8	1,3,5-Trimethylbenzene	4.13	20.3		0.23	0.13	0.26	ppbv
95-63-6	1,2,4-Trimethylbenzene	13.2	64.9		0.26	0.26	0.26	ppbv
622-96-8	4-Ethyltoluene	5.23	25.7		0.21	0.13	0.26	ppbv
541-73-1	1,3-Dichlorobenzene	0.13	0.78	U	0.21	0.13	0.26	ppbv
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.16	0.13	0.26	ppbv
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.18	0.13	0.26	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.13	0.97	U	0.1	0.13	0.26	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	0.21	0.13	0.26	ppbv
106-99-0	1,3-Butadiene	0.13	0.29	U	0.23	0.13	0.26	ppbv
110-54-3	Hexane	13.5	47.6		0.1	0.13	0.26	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135		102%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	911334		6.4				
540-36-3	1,4-Difluorobenzene	2573150		7.95				
3114-55-4	Chlorobenzene-d5	2111440		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2	SDG No.:	D3286
Lab Sample ID:	D3286-02	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017479.D	2.6		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2DL	SDG No.:	D3286
Lab Sample ID:	D3286-02DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017484.D	26		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	1.3	6.43	U	1	1.3	2.6	ppbv
75-65-0	tert-Butyl alcohol	21.8	66.1	D	2.6	2.6	2.6	ppbv
74-87-3	Chloromethane	1.3	2.68	U	1.6	1.3	2.6	ppbv
80-62-6	Methyl Methacrylate	2.6	5.32	U	2.6	2.6	2.6	ppbv
75-01-4	Vinyl Chloride	0.91	2.33	U	1.8	0.91	1.82	ppbv
74-83-9	Bromomethane	1.3	5.05	U	0.78	1.3	2.6	ppbv
75-00-3	Chloroethane	1.3	3.43	U	1.8	1.3	2.6	ppbv
75-69-4	Trichlorofluoromethane	1.3	7.31	U	1	1.3	2.6	ppbv
76-14-2	Dichlorotetrafluoroethane	1.3	9.09	U	1	1.3	2.6	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	9.96	U	1	1.3	2.6	ppbv
593-60-2	Bromoethene	1.3	5.68	U	0.78	1.3	2.6	ppbv
142-82-5	Heptane	16.6	68.0	D	1.6	1.3	2.6	ppbv
75-35-4	1,1-Dichloroethene	1.3	5.15	U	1.3	1.3	2.6	ppbv
67-64-1	Acetone	2090	4964	ED	2.6	2.6	2.6	ppbv
75-15-0	Carbon Disulfide	1.3	4.05	U	1.3	1.3	2.6	ppbv
1634-04-4	Methyl tert-Butyl Ether	1.3	4.69	U	1.3	1.3	2.6	ppbv
75-09-2	Methylene Chloride	8.84	30.7	D	1.3	1.3	2.6	ppbv
107-05-1	Allyl Chloride	1.3	4.07	U	1.3	1.3	2.6	ppbv
156-60-5	trans-1,2-Dichloroethene	1.3	5.15	U	1.6	1.3	2.6	ppbv
75-34-3	1,1-Dichloroethane	1.3	5.26	U	1	1.3	2.6	ppbv
110-82-7	Cyclohexane	3.64	12.5	D	2.1	1.3	2.6	ppbv
78-93-3	2-Butanone	21.8	64.3	D	2.6	2.6	2.6	ppbv
56-23-5	Carbon Tetrachloride	0.52	3.27	U	0.78	0.52	1.04	ppbv
156-59-2	cis-1,2-Dichloroethene	1.3	5.15	U	1.6	1.3	2.6	ppbv
67-66-3	Chloroform	1.3	6.35	U	0.52	1.3	2.6	ppbv
123-91-1	1,4-Dioxane	1.3	4.69	U	2.3	1.3	2.6	ppbv
71-55-6	1,1,1-Trichloroethane	0.52	2.84	U	0.78	0.52	1.04	ppbv
109-99-9	Tetrahydrofuran	3.38	9.97	D	2.1	1.3	2.6	ppbv
540-84-1	2,2,4-Trimethylpentane	14.3	66.8	D	1	1.3	2.6	ppbv
71-43-2	Benzene	6.24	19.9	D	1	1.3	2.6	ppbv
107-06-2	1,2-Dichloroethane	1.3	5.26	U	1.8	1.3	2.6	ppbv
79-01-6	Trichloroethene	0.52	2.79	U	0.78	0.52	1.04	ppbv
78-87-5	1,2-Dichloropropane	1.3	6.01	U	1.6	1.3	2.6	ppbv
75-27-4	Bromodichloromethane	1.3	8.71	U	1.3	1.3	2.6	ppbv
108-10-1	4-Methyl-2-Pentanone	1.3	5.33	U	1.6	1.3	2.6	ppbv
108-88-3	Toluene	47.6	179	D	1.3	1.3	2.6	ppbv
10061-02-6	t-1,3-Dichloropropene	1.3	5.9	U	1.8	1.3	2.6	ppbv
10061-01-5	cis-1,3-Dichloropropene	1.3	5.9	U	1.6	1.3	2.6	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2DL	SDG No.:	D3286
Lab Sample ID:	D3286-02DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017484.D	26		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.3	7.09	U	2.1	1.3	2.6	ppbv
124-48-1	Dibromochloromethane	1.3	11.1	U	1.3	1.3	2.6	ppbv
106-93-4	1,2-Dibromoethane	1.3	9.99	U	1.8	1.3	2.6	ppbv
127-18-4	Tetrachloroethene	40.6	275	D	0.78	0.78	0.78	ppbv
108-90-7	Chlorobenzene	1.3	5.99	U	2.3	1.3	2.6	ppbv
100-41-4	Ethyl Benzene	6.76	29.4	D	2.1	1.3	2.6	ppbv
179601-23-1	m/p-Xylene	24.7	107	D	2.9	2.6	5.2	ppbv
95-47-6	o-Xylene	7.8	33.9	D	1.8	1.3	2.6	ppbv
100-42-5	Styrene	1.3	5.53	U	1.8	1.3	2.6	ppbv
75-25-2	Bromoform	1.3	13.4	U	1.3	1.3	2.6	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	2.6	8.93	U	2.6	2.6	2.6	ppbv
95-49-8	2-Chlorotoluene	2.6	6.73	U	2.6	2.6	2.6	ppbv
108-67-8	1,3,5-Trimethylbenzene	3.12	15.3	D	2.3	1.3	2.6	ppbv
95-63-6	1,2,4-Trimethylbenzene	9.62	47.3	D	2.6	2.6	2.6	ppbv
622-96-8	4-Ethyltoluene	3.64	17.9	D	2.1	1.3	2.6	ppbv
541-73-1	1,3-Dichlorobenzene	1.3	7.82	U	2.1	1.3	2.6	ppbv
106-46-7	1,4-Dichlorobenzene	1.3	7.82	U	1.6	1.3	2.6	ppbv
95-50-1	1,2-Dichlorobenzene	1.3	7.82	U	1.8	1.3	2.6	ppbv
120-82-1	1,2,4-Trichlorobenzene	1.3	9.65	U	1	1.3	2.6	ppbv
87-68-3	Hexachloro-1,3-Butadiene	1.3	13.9	U	2.1	1.3	2.6	ppbv
106-99-0	1,3-Butadiene	1.3	2.88	U	2.3	1.3	2.6	ppbv
110-54-3	Hexane	12.7	44.8	D	1	1.3	2.6	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10			65 - 135		101%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1091090		6.37				
540-36-3	1,4-Difluorobenzene	3305600		7.93				
3114-55-4	Chlorobenzene-d5	2759880		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2DL	SDG No.:	D3286
Lab Sample ID:	D3286-02DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017484.D	26		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2DL2	SDG No.:	D3286
Lab Sample ID:	D3286-02DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017489.D	260		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	13	64.3	U	10	13	26	ppbv
75-65-0	tert-Butyl alcohol	26	78.8	JD	26	26	26	ppbv
74-87-3	Chloromethane	13	26.8	U	16	13	26	ppbv
80-62-6	Methyl Methacrylate	26	53.2	U	26	26	26	ppbv
75-01-4	Vinyl Chloride	9.1	23.3	U	18	9.1	18.2	ppbv
74-83-9	Bromomethane	13	50.5	U	7.8	13	26	ppbv
75-00-3	Chloroethane	13	34.3	U	18	13	26	ppbv
75-69-4	Trichlorofluoromethane	13	73.1	U	10	13	26	ppbv
76-14-2	Dichlorotetrafluoroethane	13	90.9	U	10	13	26	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	13	99.6	U	10	13	26	ppbv
593-60-2	Bromoethene	13	56.8	U	7.8	13	26	ppbv
142-82-5	Heptane	13	53.3	U	16	13	26	ppbv
75-35-4	1,1-Dichloroethene	13	51.5	U	13	13	26	ppbv
67-64-1	Acetone	3300	7839	D	26	26	26	ppbv
75-15-0	Carbon Disulfide	13	40.5	U	13	13	26	ppbv
1634-04-4	Methyl tert-Butyl Ether	13	46.9	U	13	13	26	ppbv
75-09-2	Methylene Chloride	13	45.2	U	13	13	26	ppbv
107-05-1	Allyl Chloride	13	40.7	U	13	13	26	ppbv
156-60-5	trans-1,2-Dichloroethene	13	51.5	U	16	13	26	ppbv
75-34-3	1,1-Dichloroethane	13	52.6	U	10	13	26	ppbv
110-82-7	Cyclohexane	13	44.8	U	21	13	26	ppbv
78-93-3	2-Butanone	31.2	92.0	D	26	26	26	ppbv
56-23-5	Carbon Tetrachloride	5.2	32.7	U	7.8	5.2	10.4	ppbv
156-59-2	cis-1,2-Dichloroethene	13	51.5	U	16	13	26	ppbv
67-66-3	Chloroform	13	63.5	U	5.2	13	26	ppbv
123-91-1	1,4-Dioxane	13	46.8	U	23	13	26	ppbv
71-55-6	1,1,1-Trichloroethane	5.2	28.4	U	7.8	5.2	10.4	ppbv
109-99-9	Tetrahydrofuran	13	38.3	U	21	13	26	ppbv
540-84-1	2,2,4-Trimethylpentane	13	60.7	U	10	13	26	ppbv
71-43-2	Benzene	13	41.5	U	10	13	26	ppbv
107-06-2	1,2-Dichloroethane	13	52.6	U	18	13	26	ppbv
79-01-6	Trichloroethene	5.2	28.0	U	7.8	5.2	10.4	ppbv
78-87-5	1,2-Dichloropropane	13	60.1	U	16	13	26	ppbv
75-27-4	Bromodichloromethane	13	87.1	U	13	13	26	ppbv
108-10-1	4-Methyl-2-Pentanone	13	53.3	U	16	13	26	ppbv
108-88-3	Toluene	36.4	137	D	13	13	26	ppbv
10061-02-6	t-1,3-Dichloropropene	13	59.0	U	18	13	26	ppbv
10061-01-5	cis-1,3-Dichloropropene	13	59.0	U	16	13	26	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2DL2	SDG No.:	D3286
Lab Sample ID:	D3286-02DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017489.D	260		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	13	70.9	U	21	13	26	ppbv
124-48-1	Dibromochloromethane	13	110	U	13	13	26	ppbv
106-93-4	1,2-Dibromoethane	13	99.9	U	18	13	26	ppbv
127-18-4	Tetrachloroethene	39	264	D	7.8	7.8	7.8	ppbv
108-90-7	Chlorobenzene	13	59.9	U	23	13	26	ppbv
100-41-4	Ethyl Benzene	13	56.5	U	21	13	26	ppbv
179601-23-1	m/p-Xylene	26	112	U	29	26	52	ppbv
95-47-6	o-Xylene	13	56.5	U	18	13	26	ppbv
100-42-5	Styrene	13	55.4	U	18	13	26	ppbv
75-25-2	Bromoform	13	134	U	13	13	26	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	26	89.3	U	26	26	26	ppbv
95-49-8	2-Chlorotoluene	26	67.3	U	26	26	26	ppbv
108-67-8	1,3,5-Trimethylbenzene	13	63.9	U	23	13	26	ppbv
95-63-6	1,2,4-Trimethylbenzene	26	63.9	U	26	26	26	ppbv
622-96-8	4-Ethyltoluene	13	63.9	U	21	13	26	ppbv
541-73-1	1,3-Dichlorobenzene	13	78.2	U	21	13	26	ppbv
106-46-7	1,4-Dichlorobenzene	13	78.2	U	16	13	26	ppbv
95-50-1	1,2-Dichlorobenzene	13	78.2	U	18	13	26	ppbv
120-82-1	1,2,4-Trichlorobenzene	13	96.5	U	10	13	26	ppbv
87-68-3	Hexachloro-1,3-Butadiene	13	138	U	21	13	26	ppbv
106-99-0	1,3-Butadiene	13	28.8	U	23	13	26	ppbv
110-54-3	Hexane	13	45.8	U	10	13	26	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135		102%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	788043		6.37				
540-36-3	1,4-Difluorobenzene	2258280		7.93				
3114-55-4	Chlorobenzene-d5	1954160		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-2DL2	SDG No.:	D3286
Lab Sample ID:	D3286-02DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017489.D	260		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3	SDG No.:	D3286
Lab Sample ID:	D3286-03	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017480.D	1		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.18	0.89		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	5.17	15.7		0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.36	0.74		0.06	0.05	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.2	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.07	0.09	U	0.07	0.07	0.07	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.05	0.13	U	0.07	0.05	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.21	1.18		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.06	0.46	J	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	7.86	32.2		0.06	0.05	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	133	315	E	0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	0.32	1		0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	4.74	17.1		0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	2	6.95		0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.05	0.2	U	0.06	0.05	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	1.27	4.37		0.08	0.05	0.1	ppbv
78-93-3	2-Butanone	6.96	20.5		0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.06	0.38		0.03	0.02	0.04	ppbv
156-59-2	cis-1,2-Dichloroethene	0.05	0.2	U	0.06	0.05	0.1	ppbv
67-66-3	Chloroform	0.22	1.07		0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.05	0.18	U	0.09	0.05	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.02	0.11	U	0.03	0.02	0.04	ppbv
109-99-9	Tetrahydrofuran	2.08	6.13		0.08	0.05	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	27.9	130	E	0.04	0.05	0.1	ppbv
71-43-2	Benzene	3.23	10.3		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.05	0.2	U	0.07	0.05	0.1	ppbv
79-01-6	Trichloroethene	0.29	1.56		0.03	0.02	0.04	ppbv
78-87-5	1,2-Dichloropropane	0.05	0.23	U	0.06	0.05	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	1.15	4.71		0.06	0.05	0.1	ppbv
108-88-3	Toluene	27.3	102	E	0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.05	0.23	U	0.07	0.05	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.05	0.23	U	0.06	0.05	0.1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3	SDG No.:	D3286
Lab Sample ID:	D3286-03	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017480.D	1		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.05	0.27	U	0.08	0.05	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.05	0.38	U	0.07	0.05	0.1	ppbv
127-18-4	Tetrachloroethene	26.2	177	E	0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.05	0.23	U	0.09	0.05	0.1	ppbv
100-41-4	Ethyl Benzene	4.82	20.9		0.08	0.05	0.1	ppbv
179601-23-1	m/p-Xylene	16.3	70.8		0.11	0.1	0.2	ppbv
95-47-6	o-Xylene	5.02	21.8		0.07	0.05	0.1	ppbv
100-42-5	Styrene	0.11	0.47		0.07	0.05	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.34	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.26	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	1.67	8.21		0.09	0.05	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	5.28	26.0		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	2.34	11.5		0.08	0.05	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.05	0.3	U	0.08	0.05	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.05	0.3	U	0.06	0.05	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.05	0.3	U	0.07	0.05	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.05	0.53	U	0.08	0.05	0.1	ppbv
106-99-0	1,3-Butadiene	0.05	0.11	U	0.09	0.05	0.1	ppbv
110-54-3	Hexane	5.09	17.9		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.9			65 - 135		99%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	933062		6.38				
540-36-3	1,4-Difluorobenzene	2716700		7.94				
3114-55-4	Chlorobenzene-d5	2185980		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3	SDG No.:	D3286
Lab Sample ID:	D3286-03	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017480.D	1		07/10/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3DL	SDG No.:	D3286
Lab Sample ID:	D3286-03DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017481.D	10		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.5	2.47	U	0.4	0.5	1	ppbv
75-65-0	tert-Butyl alcohol	4.2	12.7	D	1	1	1	ppbv
74-87-3	Chloromethane	0.5	1.03	U	0.6	0.5	1	ppbv
80-62-6	Methyl Methacrylate	1	2.05	U	1	1	1	ppbv
75-01-4	Vinyl Chloride	0.7	0.89	U	0.7	0.7	0.7	ppbv
74-83-9	Bromomethane	0.5	1.94	U	0.3	0.5	1	ppbv
75-00-3	Chloroethane	0.5	1.32	U	0.7	0.5	1	ppbv
75-69-4	Trichlorofluoromethane	0.5	2.81	U	0.4	0.5	1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.4	0.5	1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	3.83	U	0.4	0.5	1	ppbv
593-60-2	Bromoethene	0.5	2.19	U	0.3	0.5	1	ppbv
142-82-5	Heptane	5.9	24.2	D	0.6	0.5	1	ppbv
75-35-4	1,1-Dichloroethene	0.5	1.98	U	0.5	0.5	1	ppbv
67-64-1	Acetone	281	667	ED	1	1	1	ppbv
75-15-0	Carbon Disulfide	0.5	1.56	U	0.5	0.5	1	ppbv
1634-04-4	Methyl tert-Butyl Ether	3.8	13.7	D	0.5	0.5	1	ppbv
75-09-2	Methylene Chloride	2.9	10.1	D	0.5	0.5	1	ppbv
107-05-1	Allyl Chloride	0.5	1.57	U	0.5	0.5	1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.5	1.98	U	0.6	0.5	1	ppbv
75-34-3	1,1-Dichloroethane	0.5	2.02	U	0.4	0.5	1	ppbv
110-82-7	Cyclohexane	1.2	4.13	D	0.8	0.5	1	ppbv
78-93-3	2-Butanone	5.6	16.5	D	1	1	1	ppbv
56-23-5	Carbon Tetrachloride	0.2	1.26	U	0.3	0.2	0.4	ppbv
156-59-2	cis-1,2-Dichloroethene	0.5	1.98	U	0.6	0.5	1	ppbv
67-66-3	Chloroform	0.5	2.44	U	0.2	0.5	1	ppbv
123-91-1	1,4-Dioxane	0.5	1.8	U	0.9	0.5	1	ppbv
71-55-6	1,1,1-Trichloroethane	0.2	1.09	U	0.3	0.2	0.4	ppbv
109-99-9	Tetrahydrofuran	1.6	4.72	D	0.8	0.5	1	ppbv
540-84-1	2,2,4-Trimethylpentane	23.4	109	D	0.4	0.5	1	ppbv
71-43-2	Benzene	2.6	8.31	D	0.4	0.5	1	ppbv
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.7	0.5	1	ppbv
79-01-6	Trichloroethene	0.2	1.07	U	0.3	0.2	0.4	ppbv
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.6	0.5	1	ppbv
75-27-4	Bromodichloromethane	0.5	3.35	U	0.5	0.5	1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	U	0.6	0.5	1	ppbv
108-88-3	Toluene	21.4	80.6	D	0.5	0.5	1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.7	0.5	1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.6	0.5	1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3DL	SDG No.:	D3286
Lab Sample ID:	D3286-03DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017481.D	10		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.8	0.5	1	ppbv
124-48-1	Dibromochloromethane	0.5	4.26	U	0.5	0.5	1	ppbv
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.7	0.5	1	ppbv
127-18-4	Tetrachloroethene	19.5	132	D	0.3	0.3	0.3	ppbv
108-90-7	Chlorobenzene	0.5	2.3	U	0.9	0.5	1	ppbv
100-41-4	Ethyl Benzene	3.3	14.3	D	0.8	0.5	1	ppbv
179601-23-1	m/p-Xylene	11.7	50.8	D	1.1	1	2	ppbv
95-47-6	o-Xylene	3.5	15.2	D	0.7	0.5	1	ppbv
100-42-5	Styrene	0.5	2.13	U	0.7	0.5	1	ppbv
75-25-2	Bromoform	0.5	5.17	U	0.5	0.5	1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	1	3.43	U	1	1	1	ppbv
95-49-8	2-Chlorotoluene	1	2.59	U	1	1	1	ppbv
108-67-8	1,3,5-Trimethylbenzene	1.2	5.9	D	0.9	0.5	1	ppbv
95-63-6	1,2,4-Trimethylbenzene	3.7	18.2	D	1	1	1	ppbv
622-96-8	4-Ethyltoluene	1.6	7.87	D	0.8	0.5	1	ppbv
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.8	0.5	1	ppbv
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.5	1	ppbv
95-50-1	1,2-Dichlorobenzene	0.5	3.01	U	0.7	0.5	1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	U	0.4	0.5	1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	0.8	0.5	1	ppbv
106-99-0	1,3-Butadiene	0.5	1.11	U	0.9	0.5	1	ppbv
110-54-3	Hexane	4.1	14.4	D	0.4	0.5	1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135		101%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1097350		6.37				
540-36-3	1,4-Difluorobenzene	3290690		7.93				
3114-55-4	Chlorobenzene-d5	2787530		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3DL	SDG No.:	D3286
Lab Sample ID:	D3286-03DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017481.D	10		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3DL2	SDG No.:	D3286
Lab Sample ID:	D3286-03DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017486.D	40		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	2	9.89	U	1.6	2	4	ppbv
75-65-0	tert-Butyl alcohol	4.4	13.3	D	4	4	4	ppbv
74-87-3	Chloromethane	2	4.13	U	2.4	2	4	ppbv
80-62-6	Methyl Methacrylate	4	8.19	U	4	4	4	ppbv
75-01-4	Vinyl Chloride	2.8	3.58	U	2.8	2.8	2.8	ppbv
74-83-9	Bromomethane	2	7.77	U	1.2	2	4	ppbv
75-00-3	Chloroethane	2	5.28	U	2.8	2	4	ppbv
75-69-4	Trichlorofluoromethane	2	11.2	U	1.6	2	4	ppbv
76-14-2	Dichlorotetrafluoroethane	2	14.0	U	1.6	2	4	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	2	15.3	U	1.6	2	4	ppbv
593-60-2	Bromoethene	2	8.74	U	1.2	2	4	ppbv
142-82-5	Heptane	4.8	19.7	D	2.4	2	4	ppbv
75-35-4	1,1-Dichloroethene	2	7.93	U	2	2	4	ppbv
67-64-1	Acetone	291	691	D	4	4	4	ppbv
75-15-0	Carbon Disulfide	2	6.23	U	2	2	4	ppbv
1634-04-4	Methyl tert-Butyl Ether	2	7.21	U	2	2	4	ppbv
75-09-2	Methylene Chloride	2	6.95	U	2	2	4	ppbv
107-05-1	Allyl Chloride	2	6.26	U	2	2	4	ppbv
156-60-5	trans-1,2-Dichloroethene	2	7.93	U	2.4	2	4	ppbv
75-34-3	1,1-Dichloroethane	2	8.09	U	1.6	2	4	ppbv
110-82-7	Cyclohexane	2	6.88	U	3.2	2	4	ppbv
78-93-3	2-Butanone	4	5.9	U	4	4	4	ppbv
56-23-5	Carbon Tetrachloride	0.8	5.03	U	1.2	0.8	1.6	ppbv
156-59-2	cis-1,2-Dichloroethene	2	7.93	U	2.4	2	4	ppbv
67-66-3	Chloroform	2	9.77	U	0.8	2	4	ppbv
123-91-1	1,4-Dioxane	2	7.21	U	3.6	2	4	ppbv
71-55-6	1,1,1-Trichloroethane	0.8	4.36	U	1.2	0.8	1.6	ppbv
109-99-9	Tetrahydrofuran	2	5.9	U	3.2	2	4	ppbv
540-84-1	2,2,4-Trimethylpentane	19.6	91.6	D	1.6	2	4	ppbv
71-43-2	Benzene	2	6.39	U	1.6	2	4	ppbv
107-06-2	1,2-Dichloroethane	2	8.09	U	2.8	2	4	ppbv
79-01-6	Trichloroethene	0.8	4.3	U	1.2	0.8	1.6	ppbv
78-87-5	1,2-Dichloropropane	2	9.24	U	2.4	2	4	ppbv
75-27-4	Bromodichloromethane	2	13.4	U	2	2	4	ppbv
108-10-1	4-Methyl-2-Pentanone	2	8.2	U	2.4	2	4	ppbv
108-88-3	Toluene	18	67.8	D	2	2	4	ppbv
10061-02-6	t-1,3-Dichloropropene	2	9.08	U	2.8	2	4	ppbv
10061-01-5	cis-1,3-Dichloropropene	2	9.08	U	2.4	2	4	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3DL2	SDG No.:	D3286
Lab Sample ID:	D3286-03DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017486.D	40		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	2	10.9	U	3.2	2	4	ppbv
124-48-1	Dibromochloromethane	2	17.0	U	2	2	4	ppbv
106-93-4	1,2-Dibromoethane	2	15.4	U	2.8	2	4	ppbv
127-18-4	Tetrachloroethene	16.8	113	D	1.2	1.2	1.2	ppbv
108-90-7	Chlorobenzene	2	9.21	U	3.6	2	4	ppbv
100-41-4	Ethyl Benzene	2	8.69	U	3.2	2	4	ppbv
179601-23-1	m/p-Xylene	8.4	36.5	D	4.4	4	8	ppbv
95-47-6	o-Xylene	2.8	12.2	JD	2.8	2	4	ppbv
100-42-5	Styrene	2	8.52	U	2.8	2	4	ppbv
75-25-2	Bromoform	2	20.7	U	2	2	4	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	4	13.7	U	4	4	4	ppbv
95-49-8	2-Chlorotoluene	4	10.4	U	4	4	4	ppbv
108-67-8	1,3,5-Trimethylbenzene	2	9.83	U	3.6	2	4	ppbv
95-63-6	1,2,4-Trimethylbenzene	4	9.83	U	4	4	4	ppbv
622-96-8	4-Ethyltoluene	2	9.83	U	3.2	2	4	ppbv
541-73-1	1,3-Dichlorobenzene	2	12.0	U	3.2	2	4	ppbv
106-46-7	1,4-Dichlorobenzene	2	12.0	U	2.4	2	4	ppbv
95-50-1	1,2-Dichlorobenzene	2	12.0	U	2.8	2	4	ppbv
120-82-1	1,2,4-Trichlorobenzene	2	14.8	U	1.6	2	4	ppbv
87-68-3	Hexachloro-1,3-Butadiene	2	21.3	U	3.2	2	4	ppbv
106-99-0	1,3-Butadiene	2	4.42	U	3.6	2	4	ppbv
110-54-3	Hexane	4.4	15.5	D	1.6	2	4	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135		103%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	861215		6.37				
540-36-3	1,4-Difluorobenzene	2531130		7.93				
3114-55-4	Chlorobenzene-d5	2163810		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-3DL2	SDG No.:	D3286
Lab Sample ID:	D3286-03DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017486.D	40		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4	SDG No.:	D3286
Lab Sample ID:	D3286-04	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017482.D	1		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.23	1.14		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	10.2	30.9		0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.29	0.6		0.06	0.05	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.2	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.07	0.09	U	0.07	0.07	0.07	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.14	0.37		0.07	0.05	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.17	0.96		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.06	0.46	J	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	12.3	50.4		0.06	0.05	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	150	356	E	0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	2.05	6.38		0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.05	0.18	U	0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	1.67	5.8		0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.05	0.2	U	0.06	0.05	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	2.05	7.06		0.08	0.05	0.1	ppbv
78-93-3	2-Butanone	12	35.4		0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.03	0.19	J	0.03	0.02	0.04	ppbv
156-59-2	cis-1,2-Dichloroethene	0.05	0.2	U	0.06	0.05	0.1	ppbv
67-66-3	Chloroform	0.18	0.88		0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.05	0.18	U	0.09	0.05	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.77	4.2		0.03	0.02	0.04	ppbv
109-99-9	Tetrahydrofuran	2.22	6.55		0.08	0.05	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	3.37	15.7		0.04	0.05	0.1	ppbv
71-43-2	Benzene	4.54	14.5		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.05	0.2	U	0.07	0.05	0.1	ppbv
79-01-6	Trichloroethene	0.31	1.67		0.03	0.02	0.04	ppbv
78-87-5	1,2-Dichloropropane	0.05	0.23	U	0.06	0.05	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	1.74	7.13		0.06	0.05	0.1	ppbv
108-88-3	Toluene	46.2	174	E	0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.05	0.23	U	0.07	0.05	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.05	0.23	U	0.06	0.05	0.1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4	SDG No.:	D3286
Lab Sample ID:	D3286-04	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017482.D	1		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.05	0.27	U	0.08	0.05	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.05	0.38	U	0.07	0.05	0.1	ppbv
127-18-4	Tetrachloroethene	53.9	365	E	0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.05	0.23	U	0.09	0.05	0.1	ppbv
100-41-4	Ethyl Benzene	11.3	49.1		0.08	0.05	0.1	ppbv
179601-23-1	m/p-Xylene	39.9	173	E	0.11	0.1	0.2	ppbv
95-47-6	o-Xylene	12.9	56.0		0.07	0.05	0.1	ppbv
100-42-5	Styrene	0.2	0.85		0.07	0.05	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.34	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.26	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	4.58	22.5		0.09	0.05	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	13.4	65.9		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	6.96	34.2		0.08	0.05	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.05	0.3	U	0.08	0.05	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.05	0.3	U	0.06	0.05	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.05	0.3	U	0.07	0.05	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.05	0.53	U	0.08	0.05	0.1	ppbv
106-99-0	1,3-Butadiene	0.05	0.11	U	0.09	0.05	0.1	ppbv
110-54-3	Hexane	7.39	26.0		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135		101%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	956769		6.39				
540-36-3	1,4-Difluorobenzene	2848610		7.95				
3114-55-4	Chlorobenzene-d5	2356490		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4	SDG No.:	D3286
Lab Sample ID:	D3286-04	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017482.D	1		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4DL	SDG No.:	D3286
Lab Sample ID:	D3286-04DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017483.D	10		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.5	2.47	U	0.4	0.5	1	ppbv
75-65-0	tert-Butyl alcohol	9.4	28.5	D	1	1	1	ppbv
74-87-3	Chloromethane	0.5	1.03	U	0.6	0.5	1	ppbv
80-62-6	Methyl Methacrylate	1	2.05	U	1	1	1	ppbv
75-01-4	Vinyl Chloride	0.7	0.89	U	0.7	0.7	0.7	ppbv
74-83-9	Bromomethane	0.5	1.94	U	0.3	0.5	1	ppbv
75-00-3	Chloroethane	0.5	1.32	U	0.7	0.5	1	ppbv
75-69-4	Trichlorofluoromethane	0.5	2.81	U	0.4	0.5	1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.4	0.5	1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	3.83	U	0.4	0.5	1	ppbv
593-60-2	Bromoethene	0.5	2.19	U	0.3	0.5	1	ppbv
142-82-5	Heptane	11.1	45.5	D	0.6	0.5	1	ppbv
75-35-4	1,1-Dichloroethene	0.5	1.98	U	0.5	0.5	1	ppbv
67-64-1	Acetone	509	1209	ED	1	1	1	ppbv
75-15-0	Carbon Disulfide	1.9	5.92	D	0.5	0.5	1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	U	0.5	0.5	1	ppbv
75-09-2	Methylene Chloride	3	10.4	D	0.5	0.5	1	ppbv
107-05-1	Allyl Chloride	0.5	1.57	U	0.5	0.5	1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.5	1.98	U	0.6	0.5	1	ppbv
75-34-3	1,1-Dichloroethane	0.5	2.02	U	0.4	0.5	1	ppbv
110-82-7	Cyclohexane	1.9	6.54	D	0.8	0.5	1	ppbv
78-93-3	2-Butanone	11	32.4	D	1	1	1	ppbv
56-23-5	Carbon Tetrachloride	0.2	1.26	U	0.3	0.2	0.4	ppbv
156-59-2	cis-1,2-Dichloroethene	0.5	1.98	U	0.6	0.5	1	ppbv
67-66-3	Chloroform	0.5	2.44	U	0.2	0.5	1	ppbv
123-91-1	1,4-Dioxane	0.5	1.8	U	0.9	0.5	1	ppbv
71-55-6	1,1,1-Trichloroethane	0.7	3.82	D	0.3	0.2	0.4	ppbv
109-99-9	Tetrahydrofuran	2	5.9	D	0.8	0.5	1	ppbv
540-84-1	2,2,4-Trimethylpentane	2.9	13.6	D	0.4	0.5	1	ppbv
71-43-2	Benzene	4.3	13.7	D	0.4	0.5	1	ppbv
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.7	0.5	1	ppbv
79-01-6	Trichloroethene	0.2	1.07	U	0.3	0.2	0.4	ppbv
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.6	0.5	1	ppbv
75-27-4	Bromodichloromethane	0.5	3.35	U	0.5	0.5	1	ppbv
108-10-1	4-Methyl-2-Pentanone	1.3	5.33	D	0.6	0.5	1	ppbv
108-88-3	Toluene	44.9	169	D	0.5	0.5	1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.7	0.5	1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.6	0.5	1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4DL	SDG No.:	D3286
Lab Sample ID:	D3286-04DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017483.D	10		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.8	0.5	1	ppbv
124-48-1	Dibromochloromethane	0.5	4.26	U	0.5	0.5	1	ppbv
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.7	0.5	1	ppbv
127-18-4	Tetrachloroethene	49.2	333	D	0.3	0.3	0.3	ppbv
108-90-7	Chlorobenzene	0.5	2.3	U	0.9	0.5	1	ppbv
100-41-4	Ethyl Benzene	9.8	42.6	D	0.8	0.5	1	ppbv
179601-23-1	m/p-Xylene	35.9	155	D	1.1	1	2	ppbv
95-47-6	o-Xylene	11.3	49.1	D	0.7	0.5	1	ppbv
100-42-5	Styrene	0.5	2.13	U	0.7	0.5	1	ppbv
75-25-2	Bromoform	0.5	5.17	U	0.5	0.5	1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	1	3.43	U	1	1	1	ppbv
95-49-8	2-Chlorotoluene	1	2.59	U	1	1	1	ppbv
108-67-8	1,3,5-Trimethylbenzene	4.1	20.2	D	0.9	0.5	1	ppbv
95-63-6	1,2,4-Trimethylbenzene	11.9	58.5	D	1	1	1	ppbv
622-96-8	4-Ethyltoluene	5.5	27.0	D	0.8	0.5	1	ppbv
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.8	0.5	1	ppbv
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.5	1	ppbv
95-50-1	1,2-Dichlorobenzene	0.5	3.01	U	0.7	0.5	1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	U	0.4	0.5	1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	0.8	0.5	1	ppbv
106-99-0	1,3-Butadiene	0.5	1.11	U	0.9	0.5	1	ppbv
110-54-3	Hexane	7	24.7	D	0.4	0.5	1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135		101%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1096400		6.37				
540-36-3	1,4-Difluorobenzene	3318180		7.93				
3114-55-4	Chlorobenzene-d5	2798160		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4DL	SDG No.:	D3286
Lab Sample ID:	D3286-04DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017483.D	10		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4DL2	SDG No.:	D3286
Lab Sample ID:	D3286-04DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017490.D	100		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	5	24.7	U	4	5	10	ppbv
75-65-0	tert-Butyl alcohol	10	15.2	U	10	10	10	ppbv
74-87-3	Chloromethane	5	10.3	U	6	5	10	ppbv
80-62-6	Methyl Methacrylate	10	20.5	U	10	10	10	ppbv
75-01-4	Vinyl Chloride	7	8.95	U	7	7	7	ppbv
74-83-9	Bromomethane	5	19.4	U	3	5	10	ppbv
75-00-3	Chloroethane	5	13.2	U	7	5	10	ppbv
75-69-4	Trichlorofluoromethane	5	28.1	U	4	5	10	ppbv
76-14-2	Dichlorotetrafluoroethane	5	35.0	U	4	5	10	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	5	38.3	U	4	5	10	ppbv
593-60-2	Bromoethene	5	21.9	U	3	5	10	ppbv
142-82-5	Heptane	5	20.5	U	6	5	10	ppbv
75-35-4	1,1-Dichloroethene	5	19.8	U	5	5	10	ppbv
67-64-1	Acetone	678	1610	D	10	10	10	ppbv
75-15-0	Carbon Disulfide	5	15.6	U	5	5	10	ppbv
1634-04-4	Methyl tert-Butyl Ether	5	18.0	U	5	5	10	ppbv
75-09-2	Methylene Chloride	5	17.4	U	5	5	10	ppbv
107-05-1	Allyl Chloride	5	15.6	U	5	5	10	ppbv
156-60-5	trans-1,2-Dichloroethene	5	19.8	U	6	5	10	ppbv
75-34-3	1,1-Dichloroethane	5	20.2	U	4	5	10	ppbv
110-82-7	Cyclohexane	5	17.2	U	8	5	10	ppbv
78-93-3	2-Butanone	10	14.8	U	10	10	10	ppbv
56-23-5	Carbon Tetrachloride	2	12.6	U	3	2	4	ppbv
156-59-2	cis-1,2-Dichloroethene	5	19.8	U	6	5	10	ppbv
67-66-3	Chloroform	5	24.4	U	2	5	10	ppbv
123-91-1	1,4-Dioxane	5	18.0	U	9	5	10	ppbv
71-55-6	1,1,1-Trichloroethane	2	10.9	U	3	2	4	ppbv
109-99-9	Tetrahydrofuran	5	14.8	U	8	5	10	ppbv
540-84-1	2,2,4-Trimethylpentane	5	23.4	U	4	5	10	ppbv
71-43-2	Benzene	5	16.0	U	4	5	10	ppbv
107-06-2	1,2-Dichloroethane	5	20.2	U	7	5	10	ppbv
79-01-6	Trichloroethene	2	10.8	U	3	2	4	ppbv
78-87-5	1,2-Dichloropropane	5	23.1	U	6	5	10	ppbv
75-27-4	Bromodichloromethane	5	33.5	U	5	5	10	ppbv
108-10-1	4-Methyl-2-Pentanone	5	20.5	U	6	5	10	ppbv
108-88-3	Toluene	34	128	D	5	5	10	ppbv
10061-02-6	t-1,3-Dichloropropene	5	22.7	U	7	5	10	ppbv
10061-01-5	cis-1,3-Dichloropropene	5	22.7	U	6	5	10	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4DL2	SDG No.:	D3286
Lab Sample ID:	D3286-04DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017490.D	100		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	27.3	U	8	5	10	ppbv
124-48-1	Dibromochloromethane	5	42.6	U	5	5	10	ppbv
106-93-4	1,2-Dibromoethane	5	38.4	U	7	5	10	ppbv
127-18-4	Tetrachloroethene	46	311	D	3	3	3	ppbv
108-90-7	Chlorobenzene	5	23.0	U	9	5	10	ppbv
100-41-4	Ethyl Benzene	5	21.7	U	8	5	10	ppbv
179601-23-1	m/p-Xylene	26	112	D	11	10	20	ppbv
95-47-6	o-Xylene	5	21.7	U	7	5	10	ppbv
100-42-5	Styrene	5	21.3	U	7	5	10	ppbv
75-25-2	Bromoform	5	51.7	U	5	5	10	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	10	34.3	U	10	10	10	ppbv
95-49-8	2-Chlorotoluene	10	25.9	U	10	10	10	ppbv
108-67-8	1,3,5-Trimethylbenzene	5	24.6	U	9	5	10	ppbv
95-63-6	1,2,4-Trimethylbenzene	10	24.6	U	10	10	10	ppbv
622-96-8	4-Ethyltoluene	5	24.6	U	8	5	10	ppbv
541-73-1	1,3-Dichlorobenzene	5	30.1	U	8	5	10	ppbv
106-46-7	1,4-Dichlorobenzene	5	30.1	U	6	5	10	ppbv
95-50-1	1,2-Dichlorobenzene	5	30.1	U	7	5	10	ppbv
120-82-1	1,2,4-Trichlorobenzene	5	37.1	U	4	5	10	ppbv
87-68-3	Hexachloro-1,3-Butadiene	5	53.3	U	8	5	10	ppbv
106-99-0	1,3-Butadiene	5	11.1	U	9	5	10	ppbv
110-54-3	Hexane	5	17.6	U	4	5	10	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135		104%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	725866		6.37				
540-36-3	1,4-Difluorobenzene	2052270		7.93				
3114-55-4	Chlorobenzene-d5	1832720		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	07/05/12
Project:	KoptD 12-05	Date Received:	07/09/12
Client Sample ID:	VP-4DL2	SDG No.:	D3286
Lab Sample ID:	D3286-04DL2	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017490.D	100		07/10/12	vl070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

QC SUMMARY

CHEMTECH

Surrogate Summary

SDG No.: D3286

Client: J.R.Holzmacher P.E., LLC

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSL0709A	BSL0709A	1-Bromo-4-Fluorobenzene	10	9.18	92		65	135
D3286-01	VP-1	1-Bromo-4-Fluorobenzene	10	10.39	104		65	135
D3286-01DL	VP-1DL	1-Bromo-4-Fluorobenzene	10	10.21	102		65	135
D3286-02	VP-2	1-Bromo-4-Fluorobenzene	10	10.16	102		65	135
D3286-02DL	VP-2DL	1-Bromo-4-Fluorobenzene	10	10.05	101		65	135
D3286-02DL2	VP-2DL2	1-Bromo-4-Fluorobenzene	10	10.23	102		65	135
D3286-03	VP-3	1-Bromo-4-Fluorobenzene	10	9.9	99		65	135
D3286-03DL	VP-3DL	1-Bromo-4-Fluorobenzene	10	10.09	101		65	135
D3286-03DL2	VP-3DL2	1-Bromo-4-Fluorobenzene	10	10.31	103		65	135
D3286-04	VP-4	1-Bromo-4-Fluorobenzene	10	10.13	101		65	135
D3286-04DL	VP-4DL	1-Bromo-4-Fluorobenzene	10	10.13	101		65	135
D3286-04DL2	VP-4DL2	1-Bromo-4-Fluorobenzene	10	10.36	104		65	135
VBL0709A	VBL0709A	1-Bromo-4-Fluorobenzene	10	10.26	103		65	135

CHEMTECH

AIR VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: J.R.Holzmacher P.E., LLC

Lab Code: CHEM Cas No: D3286 SAS No : D3286 SDG No: D3286

Matrix Spike - EPA Sample No : BSL0709A Analytical Method: EPA SW846 TO-15 Datafile : VL017466.D

COMPOUND	SPIKE ADDED (ppbv)	CONCENTRATION (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	10.0		8.71	87	(70-130)
tert-Butyl alcohol	10.0		10.5	105	(70-130)
Chloromethane	10.0		10.5	105	(70-130)
Methyl Methacrylate	10.0		11.9	119	(70-130)
Vinyl Chloride	10.0		10.5	105	(70-130)
Bromomethane	10.0		10.5	105	(70-130)
Chloroethane	10.0		10.3	103	(70-130)
Trichlorofluoromethane	10.0		10.8	108	(70-130)
Dichlorotetrafluoroethane	10.0		10.7	107	(70-130)
1,1,2-Trichlorotrifluoroethane	10.0		10.7	107	(70-130)
Bromoethene	10.0		10.9	109	(70-130)
Heptane	10.0		10.9	109	(70-130)
1,1-Dichloroethene	10.0		10.6	106	(70-130)
Acetone	10.0		9.12	91	(70-130)
Carbon Disulfide	10.0		10.9	109	(70-130)
Methyl tert-Butyl Ether	10.0		10.9	109	(70-130)
Methylene Chloride	10.0		9.43	94	(70-130)
Allyl Chloride	10.0		11.0	110	(70-130)
trans-1,2-Dichloroethene	10.0		10.4	104	(70-130)
1,1-Dichloroethane	10.0		10.4	104	(70-130)
Cyclohexane	10.0		10.6	106	(70-130)
2-Butanone	10.0		11.0	110	(70-130)
Carbon Tetrachloride	10.0		11.5	115	(70-130)
cis-1,2-Dichloroethene	10.0		10.7	107	(70-130)
Chloroform	10.0		10.6	106	(70-130)
1,4-Dioxane	10.0		10.4	104	(70-130)
1,1,1-Trichloroethane	10.0		10.8	108	(70-130)
Tetrahydrofuran	10.0		11.4	114	(70-130)
2,2,4-Trimethylpentane	10.0		11.2	112	(70-130)
Benzene	10.0		10.8	108	(70-130)
1,2-Dichloroethane	10.0		11.1	111	(70-130)
Trichloroethene	10.0		11.3	113	(70-130)
1,2-Dichloropropane	10.0		10.8	108	(70-130)
Bromodichloromethane	10.0		11.3	113	(70-130)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Comments:

CHEMTECH

AIR VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** J.R.Holzmacher P.E., LLC

Lab Code: CHEM **Cas No:** D3286 **SAS No :** D3286 **SDG No:** D3286

Matrix Spike - EPA Sample No : BSL0709A **Analytical Method:** EPA SW846 TO-15 **Datafile :** VL017466.D

COMPOUND	SPIKE ADDED (ppbv)	CONCENTRATION (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC#	QC LIMITS REC
4-Methyl-2-Pentanone	10.0		11.5	115	(70-130)
Toluene	10.0		11.6	116	(70-130)
t-1,3-Dichloropropene	10.0		12.3	123	(70-130)
cis-1,3-Dichloropropene	10.0		11.8	118	(70-130)
1,1,2-Trichloroethane	10.0		11.2	112	(70-130)
Dibromochloromethane	10.0		12.1	121	(70-130)
1,2-Dibromoethane	10.0		11.5	115	(70-130)
Tetrachloroethene	10.0		11.6	116	(70-130)
Chlorobenzene	10.0		10.7	107	(70-130)
Ethyl Benzene	10.0		11.2	112	(70-130)
m/p-Xylene	20.0		23.0	115	(70-130)
o-Xylene	10.0		11.3	113	(70-130)
Styrene	10.0		12.2	122	(70-130)
Bromoform	10.0		12.4	124	(70-130)
1,1,2,2-Tetrachloroethane	10.0		10.9	109	(70-130)
2-Chlorotoluene	10.0		11.3	113	(70-130)
1,3,5-Trimethylbenzene	10.0		11.9	119	(70-130)
1,2,4-Trimethylbenzene	10.0		11.7	117	(70-130)
4-Ethyltoluene	10.0		11.6	116	(70-130)
1,3-Dichlorobenzene	10.0		11.0	110	(70-130)
1,4-Dichlorobenzene	10.0		11.1	111	(70-130)
1,2-Dichlorobenzene	10.0		11.2	112	(70-130)
1,2,4-Trichlorobenzene	10.0		11.8	118	(70-130)
Hexachloro-1,3-Butadiene	10.0		10.8	108	(70-130)
1,3-Butadiene	10.0		11.0	110	(70-130)
Hexane	10.0		10.7	107	(70-130)

RPD : 0 **Out of** 60 **outside limits**

Spike Recovery : 0 **Out of** 60 **outside limits**

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Comments:

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBL0709A

Lab Name: CHEMTECH Contract: JRH001

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG NO.: D3286

Lab File ID: VL017465.D Lab Sample ID: VBL0709A

Date Analyzed: 07/09/2012 Time Analyzed: 20:26

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSL0709A	BSL0709A	VL017466.D	07/09/2012
VP-1	D3286-01	VL017477.D	07/10/2012
VP-1DL	D3286-01DL	VL017478.D	07/10/2012
VP-2	D3286-02	VL017479.D	07/10/2012
VP-3	D3286-03	VL017480.D	07/10/2012
VP-3DL	D3286-03DL	VL017481.D	07/10/2012
VP-4	D3286-04	VL017482.D	07/10/2012
VP-4DL	D3286-04DL	VL017483.D	07/10/2012
VP-2DL	D3286-02DL	VL017484.D	07/10/2012
VP-3DL2	D3286-03DL2	VL017486.D	07/10/2012
VP-2DL2	D3286-02DL2	VL017489.D	07/10/2012
VP-4DL2	D3286-04DL2	VL017490.D	07/10/2012

COMMENTS:

CHEMTECH

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JRHO01

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG NO.: D3286

Lab File ID: _____ BFB Injection Date: _____

Instrument ID: _____ BFB Injection Time: _____

GC Column: _____ ID: _____ (mm) Heated Purge: Y/N _____

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50		
75		
95	Base Peak, 100% relative abundance	
96	5.0 - 9.0% of mass 95	
173	Less than 2.0% of mass 174	( ) 1
174		
175		( ) 1
176		( ) 1
177	5.0 - 9.0% of mass 176	( ) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED

CHEMTECH

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JRHO01

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG NO.: D3286

Lab File ID: VL017458.D BFB Injection Date: 07/09/2012

Instrument ID: MSVOA_L BFB Injection Time: 15:44

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.1
75	30.0 - 66.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	72.4
175	4.0 - 9.0% of mass 174	5.4 (7.4) 1
176	93.0 - 101.0% of mass 174	70.6 (97.5) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10 PPBV ICC	10 PPBV ICC	VL017459.D	07/09/2012	16:23
2 PPBV ICC	2 PPBV ICC	VL017460.D	07/09/2012	17:05
1 PPBV ICC	1 PPBV ICC	VL017461.D	07/09/2012	17:44
0.5 PPBV ICC	0.5 PPBV ICC	VL017462.D	07/09/2012	18:23
15 PPBV ICC	15 PPBV ICC	VL017463.D	07/09/2012	19:05
VBL0709A	VBL0709A	VL017465.D	07/09/2012	20:26
BSL0709A	BSL0709A	VL017466.D	07/09/2012	21:06
0.1 PPBV RPT	0.1 PPBV RPT	VL017467.D	07/09/2012	21:45
0.03 PPBV RPT	0.03 PPBV RPT	VL017468.D	07/09/2012	22:24
VP-1	D3286-01	VL017477.D	07/10/2012	04:39
VP-1DL	D3286-01DL	VL017478.D	07/10/2012	05:20
VP-2	D3286-02	VL017479.D	07/10/2012	06:02
VP-3	D3286-03	VL017480.D	07/10/2012	06:44
VP-3DL	D3286-03DL	VL017481.D	07/10/2012	07:24
VP-4	D3286-04	VL017482.D	07/10/2012	08:06
VP-4DL	D3286-04DL	VL017483.D	07/10/2012	08:47
VP-2DL	D3286-02DL	VL017484.D	07/10/2012	09:28
VP-3DL2	D3286-03DL2	VL017486.D	07/10/2012	10:52
VP-2DL2	D3286-02DL2	VL017489.D	07/10/2012	13:10
VP-4DL2	D3286-04DL2	VL017490.D	07/10/2012	13:51

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JRHO01

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG NO.: D3286

Lab File ID: VL017459.D Date Analyzed: 07/09/2012

Instrument ID: MSVOA_L Time Analyzed: 16:23

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	967125	6.37	2603875	7.93	2395894	12.91
UPPER LIMIT	1353975	6.70	3645425	8.26	3354252	13.24
LOWER LIMIT	580275	6.04	1562325	7.60	1437536	12.58
EPA SAMPLE NO.						
BSL0709A	800952	6.37	2074275	7.93	1925014	12.91
VP-1	895538	6.37	2487917	7.93	2125548	12.91
VP-1DL	1026618	6.37	3011321	7.93	2574239	12.91
VP-2	911334	6.40	2573147	7.95	2111435	12.91
VP-2DL	1091089	6.37	3305601	7.93	2759875	12.91
VP-2DL2	788043	6.37	2258278	7.93	1954164	12.91
VP-3	933062	6.38	2716703	7.94	2185979	12.91
VP-3DL	1097349	6.37	3290688	7.93	2787527	12.91
VP-3DL2	861215	6.37	2531129	7.93	2163806	12.91
VP-4	956769	6.39	2848612	7.95	2356486	12.91
VP-4DL	1096397	6.37	3318178	7.93	2798156	12.91
VP-4DL2	725866	6.37	2052269	7.93	1832719	12.91
VP-4DL2	818368	6.37	2375234	7.93	2066748	12.91
VBL0709A	983695	6.37	2606787	7.93	2325735	12.91

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT UPPER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JRH001

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG NO.: D3286

Lab File ID: VL017459.D Date Analyzed: 07/09/2012

Instrument ID: MSVOA_L Time Analyzed: 16:23

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0	0				
LOWER LIMIT	0	0				
EPA SAMPLE NO.						
BSL0709A	0	0.00				
VP-1	0	0.00				
VP-1DL	0	0.00				
VP-2	0	0.00				
VP-2DL	0	0.00				
VP-2DL2	0	0.00				
VP-3	0	0.00				
VP-3DL	0	0.00				
VP-3DL2	0	0.00				
VP-4	0	0.00				
VP-4DL	0	0.00				
VP-4DL2	0	0.00				
VP-4DL2	0	0.00				
VBL0709A	0	0.00				

IS4 =

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

QC SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	KoptD 12-05	Date Received:	
Client Sample ID:	VBL0709A	SDG No.:	D3286
Lab Sample ID:	VBL0709A	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017465.D	1		07/09/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.05	0.25	U	0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	0.1	0.15	U	0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.05	0.1	U	0.06	0.05	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.2	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.07	0.09	U	0.07	0.07	0.07	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.05	0.13	U	0.07	0.05	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.05	0.28	U	0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.05	0.38	U	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	0.05	0.2	U	0.06	0.05	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	0.1	0.12	U	0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	0.05	0.16	U	0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.05	0.18	U	0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	0.05	0.17	U	0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.05	0.2	U	0.06	0.05	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	0.05	0.17	U	0.08	0.05	0.1	ppbv
78-93-3	2-Butanone	0.1	0.15	U	0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.02	0.13	U	0.03	0.02	0.04	ppbv
156-59-2	cis-1,2-Dichloroethene	0.05	0.2	U	0.06	0.05	0.1	ppbv
67-66-3	Chloroform	0.05	0.24	U	0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.05	0.18	U	0.09	0.05	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.02	0.11	U	0.03	0.02	0.04	ppbv
109-99-9	Tetrahydrofuran	0.05	0.15	U	0.08	0.05	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	0.05	0.23	U	0.04	0.05	0.1	ppbv
71-43-2	Benzene	0.05	0.16	U	0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.05	0.2	U	0.07	0.05	0.1	ppbv
79-01-6	Trichloroethene	0.02	0.11	U	0.03	0.02	0.04	ppbv
78-87-5	1,2-Dichloropropane	0.05	0.23	U	0.06	0.05	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.05	0.2	U	0.06	0.05	0.1	ppbv
108-88-3	Toluene	0.05	0.19	U	0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.05	0.23	U	0.07	0.05	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.05	0.23	U	0.06	0.05	0.1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	KoptD 12-05	Date Received:	
Client Sample ID:	VBL0709A	SDG No.:	D3286
Lab Sample ID:	VBL0709A	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017465.D	1		07/09/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.05	0.27	U	0.08	0.05	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.05	0.38	U	0.07	0.05	0.1	ppbv
127-18-4	Tetrachloroethene	0.03	0.1	U	0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.05	0.23	U	0.09	0.05	0.1	ppbv
100-41-4	Ethyl Benzene	0.05	0.22	U	0.08	0.05	0.1	ppbv
179601-23-1	m/p-Xylene	0.1	0.43	U	0.11	0.1	0.2	ppbv
95-47-6	o-Xylene	0.05	0.22	U	0.07	0.05	0.1	ppbv
100-42-5	Styrene	0.05	0.21	U	0.07	0.05	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.34	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.26	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	0.05	0.25	U	0.09	0.05	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	0.1	0.25	U	0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	0.05	0.25	U	0.08	0.05	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.05	0.3	U	0.08	0.05	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.05	0.3	U	0.06	0.05	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.05	0.3	U	0.07	0.05	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.05	0.53	U	0.08	0.05	0.1	ppbv
106-99-0	1,3-Butadiene	0.05	0.11	U	0.09	0.05	0.1	ppbv
110-54-3	Hexane	0.05	0.18	U	0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135		103%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	983695		6.37				
540-36-3	1,4-Difluorobenzene	2606790		7.93				
3114-55-4	Chlorobenzene-d5	2325740		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	KoptD 12-05	Date Received:	
Client Sample ID:	VBL0709A	SDG No.:	D3286
Lab Sample ID:	VBL0709A	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017465.D	1		07/09/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	KoptD 12-05	Date Received:	
Client Sample ID:	BSL0709A	SDG No.:	D3286
Lab Sample ID:	BSL0709A	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017466.D	1		07/09/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	8.71	43.1		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	10.5	31.8		0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	10.5	21.7		0.06	0.05	0.1	ppbv
80-62-6	Methyl Methacrylate	11.9	48.7		0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	10.5	26.8		0.07	0.07	0.07	ppbv
74-83-9	Bromomethane	10.5	40.8		0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	10.3	27.2		0.07	0.05	0.1	ppbv
75-69-4	Trichlorofluoromethane	10.8	60.7		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	10.7	74.8		0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	10.7	82.0		0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	10.9	47.7		0.03	0.05	0.1	ppbv
142-82-5	Heptane	10.9	44.7		0.06	0.05	0.1	ppbv
75-35-4	1,1-Dichloroethene	10.6	42.0		0.05	0.05	0.1	ppbv
67-64-1	Acetone	9.12	21.7		0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	10.9	33.9		0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	10.9	39.3		0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	9.43	32.8		0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	11	34.4		0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	10.4	41.2		0.06	0.05	0.1	ppbv
75-34-3	1,1-Dichloroethane	10.4	42.1		0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	10.6	36.5		0.08	0.05	0.1	ppbv
78-93-3	2-Butanone	11	32.4		0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	11.5	72.3		0.03	0.02	0.04	ppbv
156-59-2	cis-1,2-Dichloroethene	10.7	42.4		0.06	0.05	0.1	ppbv
67-66-3	Chloroform	10.6	51.8		0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	10.4	37.5		0.09	0.05	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	10.8	58.9		0.03	0.02	0.04	ppbv
109-99-9	Tetrahydrofuran	11.4	33.6		0.08	0.05	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	11.2	52.3		0.04	0.05	0.1	ppbv
71-43-2	Benzene	10.8	34.5		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	11.1	44.9		0.07	0.05	0.1	ppbv
79-01-6	Trichloroethene	11.3	60.7		0.03	0.02	0.04	ppbv
78-87-5	1,2-Dichloropropane	10.8	49.9		0.06	0.05	0.1	ppbv
75-27-4	Bromodichloromethane	11.3	75.7		0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	11.5	47.1		0.06	0.05	0.1	ppbv
108-88-3	Toluene	11.6	43.7		0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	12.3	55.8		0.07	0.05	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	11.8	53.6		0.06	0.05	0.1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	KoptD 12-05	Date Received:	
Client Sample ID:	BSL0709A	SDG No.:	D3286
Lab Sample ID:	BSL0709A	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017466.D	1		07/09/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	11.2	61.1		0.08	0.05	0.1	ppbv
124-48-1	Dibromochloromethane	12.1	103		0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	11.5	88.4		0.07	0.05	0.1	ppbv
127-18-4	Tetrachloroethene	11.6	78.7		0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	10.7	49.3		0.09	0.05	0.1	ppbv
100-41-4	Ethyl Benzene	11.2	48.6		0.08	0.05	0.1	ppbv
179601-23-1	m/p-Xylene	23	99.9		0.11	0.1	0.2	ppbv
95-47-6	o-Xylene	11.3	49.1		0.07	0.05	0.1	ppbv
100-42-5	Styrene	12.2	51.9		0.07	0.05	0.1	ppbv
75-25-2	Bromoform	12.4	128		0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	10.9	74.8		0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	11.3	58.5		0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	11.9	58.5		0.09	0.05	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	11.7	57.5		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	11.6	57.0		0.08	0.05	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	11	66.1		0.08	0.05	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	11.1	66.7		0.06	0.05	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	11.2	67.3		0.07	0.05	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	11.8	87.6		0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	10.8	115		0.08	0.05	0.1	ppbv
106-99-0	1,3-Butadiene	11	24.3		0.09	0.05	0.1	ppbv
110-54-3	Hexane	10.7	37.7		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.18			65 - 135		92%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	800952		6.37				
540-36-3	1,4-Difluorobenzene	2074280		7.93				
3114-55-4	Chlorobenzene-d5	1925010		12.91				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	KoptD 12-05	Date Received:	
Client Sample ID:	BSL0709A	SDG No.:	D3286
Lab Sample ID:	BSL0709A	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017466.D	1		07/09/12	VL070912

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CALIBRATION SUMMARY

CHEMTECH

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JRH001

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG No.: D3286

Instrument ID: MSVOA_L Calibration Date(s): 07/09/2012 07/09/2012

Heated Purge: (Y/N) N Calibration Time(s): 16:23 19:05

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF0.50 = VL017462.D RRF001 = VL017461.D RRF002 = VL017460.D
RRF010 = VL017459.D RRF015 = VL017463.D RRF =

COMPOUND	RRF0.50	RRF001	RRF002	RRF010	RRF015	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	3.740	3.628	3.337	2.991	2.498		3.239	15.6
tert-Butyl alcohol	2.691	2.696	2.526	2.843	2.708		2.693	4.2
Chloromethane	1.298	1.289	1.306	1.309	1.348		1.31	1.7
Methyl Methacrylate	0.365	0.392	0.425	0.522	0.539		0.449	17.3
Vinyl Chloride	1.067	1.110	1.103	1.146	1.158		1.117	3.2
Bromomethane	0.792	0.792	0.807	0.833	0.843		0.813	2.9
Chloroethane	0.496	0.495	0.489	0.504	0.503		0.498	1.2
Trichlorofluoromethane	3.947	3.892	3.791	3.795	4.007		3.887	2.4
Dichlorotetrafluoroethane	3.024	3.014	3.035	3.034	3.131		3.048	1.6
1,1,2-Trichlorotrifluoroethane	2.549	2.556	2.516	2.604	2.693		2.584	2.7
Bromoethene	0.887	0.913	0.934	1.001	1.024		0.952	6.2
Heptane	1.653	1.734	1.791	1.987	2.006		1.834	8.5
1,1-Dichloroethene	1.054	1.080	1.062	1.141	1.171		1.102	4.7
Acetone	2.519	2.466	2.431	1.949	2.035		2.28	11.7
Carbon Disulfide	2.833	3.005	3.052	3.301	3.354		3.109	7
Methyl tert-Butyl Ether	3.411	3.663	3.758	4.095	4.108		3.807	7.8
Methylene Chloride	1.378	1.192	1.118	1.087	1.093		1.174	10.4
Allyl Chloride	1.196	1.310	1.273	1.388	1.416		1.316	6.8
trans-1,2-Dichloroethene	0.938	0.992	1.005	1.082	1.062		1.016	5.7
1,1-Dichloroethane	2.257	2.307	2.269	2.385	2.396		2.323	2.8
Cyclohexane	1.222	1.312	1.386	1.530	1.507		1.392	9.4
2-Butanone	0.760	0.755	0.771	0.830	0.852		0.794	5.6
Carbon Tetrachloride	0.996	0.988	0.986	1.096	1.173		1.048	8
cis-1,2-Dichloroethene	1.453	1.531	1.569	1.709	1.719		1.596	7.2
Chloroform	2.775	2.821	2.776	2.915	2.967		2.851	3
1,4-Dioxane	0.114	0.117	0.112	0.141	0.105		0.118	11.7
1,1,1-Trichloroethane	2.785	2.915	2.908	3.070	3.179		2.971	5.2
Tetrahydrofuran	0.341	0.373	0.387	0.445	0.453		0.4	12
2,2,4-Trimethylpentane	1.625	1.731	1.780	2.008	2.035		1.836	9.7
Benzene	1.086	1.131	1.151	1.288	1.280		1.187	7.7
1,2-Dichloroethane	0.873	0.846	0.832	0.888	0.950		0.877	5.2
Trichloroethene	0.430	0.453	0.475	0.544	0.572		0.495	12.2
1,2-Dichloropropane	0.381	0.387	0.392	0.443	0.447		0.41	7.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JRH001

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG No.: D3286

Instrument ID: MSVOA_L Calibration Date(s): 07/09/2012 07/09/2012

Heated Purge: (Y/N) N Calibration Time(s): 16:23 19:05

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF0.50 = VL017462.D RRF001 = VL017461.D RRF002 = VL017460.D
RRF010 = VL017459.D RRF015 = VL017463.D RRF =

COMPOUND	RRF0.50	RRF001	RRF002	RRF010	RRF015	RRF	$\overline{RRF}$	% RSD
Bromodichloromethane	1.001	1.016	1.031	1.158	1.213		1.084	8.8
4-Methyl-2-Pentanone	0.764	0.832	0.852	0.983	1.026		0.891	12.3
Toluene	1.145	1.275	1.337	1.561	1.623		1.388	14.4
t-1,3-Dichloropropene	0.545	0.611	0.679	0.821	0.872		0.706	19.6
cis-1,3-Dichloropropene	0.632	0.688	0.759	0.898	0.934		0.782	16.7
1,1,2-Trichloroethane	0.442	0.455	0.462	0.534	0.556		0.49	10.5
Dibromochloromethane	0.706	0.743	0.796	0.946	1.015		0.841	15.8
1,2-Dibromoethane	0.664	0.693	0.726	0.842	0.889		0.763	12.8
Tetrachloroethene	0.461	0.469	0.486	0.569	0.611		0.519	12.9
Chlorobenzene	1.273	1.274	1.226	1.369	1.529		1.334	9
Ethyl Benzene	1.877	2.054	2.064	2.345	2.575		2.183	12.6
m/p-Xylene	1.636	1.831	1.815	2.065	2.162		1.902	11.1
o-Xylene	1.731	1.821	1.822	2.063	2.321		1.951	12.3
Styrene	0.789	0.915	0.997	1.278	1.417		1.079	24.1
Bromoform	0.612	0.681	0.729	0.884	0.971		0.775	19.1
1,1,2,2-Tetrachloroethane	1.131	1.136	1.101	1.246	1.404		1.203	10.4
2-Chlorotoluene	1.653	1.792	1.797	2.022	2.267		1.906	12.6
1,3,5-Trimethylbenzene	1.643	1.792	1.805	2.181	2.469		1.978	17.1
1,2,4-Trimethylbenzene	1.810	1.921	1.908	2.240	2.571		2.09	15
4-Ethyltoluene	1.663	1.838	1.880	2.190	2.457		2.006	15.7
1,3-Dichlorobenzene	1.347	1.325	1.260	1.379	1.587		1.38	9
1,4-Dichlorobenzene	1.306	1.309	1.278	1.399	1.604		1.379	9.7
1,2-Dichlorobenzene	1.223	1.261	1.209	1.342	1.546		1.316	10.5
1,2,4-Trichlorobenzene	0.907	0.966	0.981	1.124	1.293		1.054	14.8
Hexachloro-1,3-Butadiene	1.114	1.092	1.037	1.029	1.161		1.087	5.1
1,3-Butadiene	0.829	0.782	0.805	0.867	0.900		0.836	5.7
Hexane	1.483	1.558	1.607	1.731	1.736		1.623	6.8
1-Bromo-4-Fluorobenzene	0.865	0.847	0.805	0.758	0.834		0.822	5.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JRHO01

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG No.: D3286

Instrument ID: MSVOA_L Calibration Date/Time: 07/09/2012 16:23

Lab File ID: VL017459.D Init. Calib. Date(s): 07/09/2012 07/09/2012

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:05 19:05

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	3.301	2.991		-9.39	30
tert-Butyl alcohol	2.655	2.843		7.08	30
Chloromethane	1.31	1.309		-0.08	30
Methyl Methacrylate	0.43	0.522		21.4	30
Vinyl Chloride	1.109	1.146		3.34	30
Bromomethane	0.808	0.833		3.09	30
Chloroethane	0.496	0.504		1.61	30
Trichlorofluoromethane	3.909	3.795		-2.92	30
Dichlorotetrafluoroethane	3.051	3.034		-0.56	30
1,1,2-Trichlorotrifluoroethane	2.578	2.604		1.01	30
Bromoethene	0.939	1.001		6.6	30
Heptane	1.796	1.987		10.63	30
1,1-Dichloroethene	1.092	1.141		4.49	30
Acetone	2.363	1.949		-17.52	30
Carbon Disulfide	3.061	3.301		7.84	30
Methyl tert-Butyl Ether	3.735	4.095		9.64	30
Methylene Chloride	1.195	1.087		-9.04	30
Allyl Chloride	1.298	1.388		6.93	30
trans-1,2-Dichloroethene	0.999	1.082		8.31	30
1,1-Dichloroethane	2.307	2.385		3.38	30
Cyclohexane	1.357	1.530		12.75	30
2-Butanone	0.785	0.830		5.73	30
Carbon Tetrachloride	1.036	1.096		5.79	30
cis-1,2-Dichloroethene	1.568	1.709		8.99	30
Chloroform	2.835	2.915		2.82	30
1,4-Dioxane	0.112	0.141		25.89	30
1,1,1-Trichloroethane	2.947	3.070		4.17	30
Tetrahydrofuran	0.388	0.445		14.69	30
2,2,4-Trimethylpentane	1.793	2.008		11.99	30
Benzene	1.162	1.288		10.84	30
1,2-Dichloroethane	0.875	0.888		1.49	30
Trichloroethene	0.483	0.544		12.63	30
1,2-Dichloropropane	0.401	0.443		10.47	30
Bromodichloromethane	1.065	1.158		8.73	30
4-Methyl-2-Pentanone	0.868	0.983		13.25	30
Toluene	1.345	1.561		16.06	30
t-1,3-Dichloropropene	0.677	0.821		21.27	30
cis-1,3-Dichloropropene	0.753	0.898		19.26	30
1,1,2-Trichloroethane	0.479	0.534		11.48	30
Dibromochloromethane	0.815	0.946		16.07	30
1,2-Dibromoethane	0.743	0.842		13.32	30
Tetrachloroethene	0.507	0.569		12.23	30

CHEMTECH

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JRHO01

Lab Code: CHEM Case No.: D3286 SAS No.: D3286 SDG No.: D3286

Instrument ID: MSVOA_L Calibration Date/Time: 07/09/2012 16:23

Lab File ID: VL017459.D Init. Calib. Date(s): 07/09/2012 07/09/2012

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:05 19:05

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.326	1.369		3.24	30
Ethyl Benzene	2.142	2.345		9.48	30
m/p-Xylene	1.861	2.065		10.96	30
o-Xylene	1.923	2.063		7.28	30
Styrene	1.029	1.278		24.2	30
Bromoform	0.748	0.884		18.18	30
1,1,2,2-Tetrachloroethane	1.193	1.246		4.44	30
2-Chlorotoluene	1.877	2.022		7.73	30
1,3,5-Trimethylbenzene	1.927	2.181		13.18	30
1,2,4-Trimethylbenzene	2.053	2.240		9.11	30
4-Ethyltoluene	1.96	2.190		11.73	30
1,3-Dichlorobenzene	1.38	1.379		-0.07	30
1,4-Dichlorobenzene	1.374	1.399		1.82	30
1,2-Dichlorobenzene	1.31	1.342		2.44	30
1,2,4-Trichlorobenzene	1.037	1.124		8.39	30
Hexachloro-1,3-Butadiene	1.101	1.029		-6.54	30
1,3-Butadiene	0.829	0.867		4.58	30
Hexane	1.596	1.731		8.46	30
1-Bromo-4-Fluorobenzene	0.837	0.758		-9.44	30

All other compounds must meet a minimum RRF of 0.010.

SHIPPING DOCUMENTS

CHEMTECH

CHEMTECH Project No. : D3286

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Client Contact Information	Bottle Order ID : B1206080	Courier : fed ex	1 of 4 COCs
Client ID : JRHO01 Project ID : KoptD 12-05		Sampler Name(s) : Heather Sonnenberg	Analysis / Matrix
Customer Name : J.R.Holzmacher P.E., LLC	Project Manager : Heather sonnenberg	AIR ANALYSIS CHAIN-OF-CUSTODY	
	Phone Number : 6312342220		
Address : 300 Wheeler Avenue	Fax Number : 6312342221		
Suite 402	Site Details: former gas station w/ developed service bldg.		
City : Hauppauge	Analysis Turnaround Time Std		
State : NY			
Zip Code : 11788	Standard : 15 business days	Data Package Type :	
Country : US	Rush (Specify): _____ Days	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	~~Interior~~ Exterior Temp. (F) (Start)	~~Interior~~ Exterior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
VP-1	7-5-12	10:12 am	2:30 pm	27	0	90°F	101°F	-30		10522	10309	6 L	25	VL017060.D	✓					✓		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	90° F			
Stop	101° F			

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [signature]

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: None

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: [signature]	Date/Time: 6/25/12	Canisters Received by:	Date/Time:
Samples Relinquished by: [signature]	Date/Time: 7/5/12 5pm	Received by:	Date/Time:
Relinquished by: Fedex	Date/Time: 7/9/12 1205	Received by: PS	Date/Time: 7/9/12 1205

B1206080 - 1

CHEMTECH

CHEMTECH Project No. : D3286

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Client Contact Information	Bottle Order ID : B1206080	Courier : fed ex	2 of 4 COCs
Client ID : JRHO01 Project ID : KoptD 12-05		Sampler Name(s) : Heather Sonnenberg	Analysis / Matrix
Customer Name : J.R.Holzmacher P.E., LLC	Project Manager : Heather sonnenberg	AIR ANALYSIS CHAIN-OF-CUSTODY	
	Phone Number : 6312342220		
Address : 300 Wheeler Avenue	Fax Number : 6312342221		
Suite 402	Site Details: developed site - former gas st. w/ service Bldg		
City : Hauppauge			
State : NY	Analysis Turnaround Time 3d		
Zip Code : 11788	Standard : 15 business days	Data Package Type :	
Country : US	Rush (Specify): _____ Days	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	~~Interior~~ Exterior Temp. (F) (Start)	~~Interior~~ Exterior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
VP-2	7-5-12	10:14 am	2:50 pm	30	24	90°F	101°F	-30		10230	10321	6 L	25	VL017060.D	✓					✓		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	90°F			
Stop	101°F			

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [signature]

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: None.

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: [signature]	Date/Time: 6/25/12	Canisters Received by:	~~Date/Time:~~		B1206080 - 2
Samples Relinquished by: [signature]	Date/Time: 7/8/12 5pm	Received by:	Date/Time:		
Relinquished by: fedex	Date/Time: 7/9/12 1205	Received by: PS	Date/Time: 7/9/12 1205		

CHEMTECH

CHEMTECH Project No. : D3286

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Client Contact Information	Bottle Order ID : **B1206080**	Courier : fed ex	3 of 4 COCs
Client ID : **JRHO01** Project ID : **KoptD 12-05**		Sampler Name(s) : Heather Sonnenberg	Analysis / Matrix
Customer Name : **J.R.Holzmacher P.E., LLC**	Project Manager : **Heather sonnenberg**	AIR ANALYSIS CHAIN-OF-CUSTODY	
	Phone Number : **6312342220**		
Address : **300 Wheeler Avenue**	Fax Number : **6312342221**		
Suite 402	Site Details: developed site - former gas st. w/ service bldg		
City : **Hauppauge**			
State : **NY**	Analysis Turnaround Time Std		
Zip Code : **11788**	Standard : **15 business days**	Data Package Type :	
Country : US	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	~~Int.~~ Ext. Temp. (F) (Start)	~~Int.~~ Ext. Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
VP-3	7-5-12	10:30 AM	2:47 pm	29.	9	90°F	101°F	-30		10643	10588	6 L	25	VL017060.D	✓					✓		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	90°F			
Stop	101°F			

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15): [signature]

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: None

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:	Date/Time: 6/25/12	Canisters Received by:	~~Date/Time:~~
Samples Relinquished by: [signature]	Date/Time: 7/5/12 5pm	Received by:	~~Date/Time:~~
Relinquished by: Fedex	Date/Time: 7/9/12 1205	Received by: PS	Date/Time: 7/9/12 1205

B1206080 - 3

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. : D3286

Client Contact Information	Bottle Order ID : B1206080	Courier : fed ex	4 of 4 COCs
Client ID : JRHO01 Project ID : KoptD 12-05		Sampler Name(s) : Heather Sonnenberg	Analysis / Matrix
Customer Name : J.R.Holzmacher P.E., LLC	Project Manager : Heather sonnenberg	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : 300 Wheeler Avenue Suite 402	Phone Number : 6312342220		
	Fax Number : 6312342221		
	Site Details: developed site - former gas st. co / developed / serviced Bldg		
City : Hauppauge	Analysis Turnaround Time Std		
State : NY	Standard : 15 business days	Data Package Type :	
Zip Code : 11788	Rush (Specify): _____ Days	EDD Type :	
Country : US			

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	~~Interior~~ Ambient Temp. (F) (Start)	~~Interior~~ Ambient Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
VP-4	7-5-12	10:22 AM	2:36 pm	30	4	90°F	101°F	-30		10623	10598	6 L	25	VL017060.D	✓					✓		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	90°F			
Stop	101°F			

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15): [signature]

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low

PID Readings: None.

Sampling site (State):

Quick Connector required : NO			
Canisters Shiped by: [signature]	Date/Time: 6/25/12	Canisters Received by:	Date/Time:
Samples Relinquished by: [signature]	Date/Time: 7/9/12 8pm	Received by:	Date/Time:
Relinquished by: [signature]	Date/Time: 7/9/12 1205	Received by: [signature]	Date/Time: 7/9/12 1205

B1206080 - 4

From: (631) 234-2220
Pat Zalak
J.R. HOLZMACHER P.E., LLC
300 WHEELER ROAD SUITE 402

HAUPPAUGE, NY 11788

Origin ID: WLMA

FedEx Express

J12201205300325

Ship Date: 06JUL12
ActWgt: 34.0 LB
CAD: 3033057/INET3300

PS
7/9/12
1205

Delivery Address Bar Code

Ref # QUEST 04-01
Invoice #
PO #
Dept #

SHIP TO: (908) 789-8900
BILL SENDER

Sample
Chemtech, Inc.
284 SHEFFIELD ST

MOUNTAINSIDE, NJ 07092

MON - 09 JUL A1
STANDARD OVERNIGHT

TRK# 0201 7985 9204 7550

07092
NJ-US
EWR

K1 CDWA

515G1/E052/AA44

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Maryland	296
Massachusetts	M-NJ503
Oklahoma	9705
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other:

DOD ELAP	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

DEP-077
Rev. 3/04

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Chemtech
~~Nabak~~
Field Sample Seal No.: D3286
Case No.: KoptD 12-05

Location: 284 Sheffield Street, Mountainside,NJ 7092
Title: Sample Custodian
Date Broken: 7/9/2012
Military Time Seal Broken: 12:05:00
Analytical Parameter/Fraction: SUMMA Canister Rental

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
D3286-01	VP-1		
D3286-02	VP-2		
D3286-03	VP-3		
D3286-04	VP-4		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
7/9/12	1335	Signature Palak Shah	Signature [illegible]	Air lab
		Printed Name Palak Shah	Printed Name [illegible]	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Tuesday, July 31, 2012

Jim DeMartinis
J.R. Holzmacher P.E. LLC
300 Wheeler Road, Suite 402
Hauppauge, NY 11788

TEL: (631) 234-2220
FAX (631) 234-2221

RE: 105-04 Flatlands Ave., Brooklyn

Order No.: 1207206

Dear Jim DeMartinis:

American Analytical Laboratories, LLC. received 6 sample(s) on 7/23/2012 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. This report consists of 79 pages.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer
Lab Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

CLIENT: J.R. Holzmacher P.E. LLC
Project: 105-04 Flatlands Ave., Brooklyn
Lab Order: 1207206

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date Collected	Date Received
1207206-01A	TB	7/23/2012	7/23/2012
1207206-02A	FB	7/23/2012 3:20:00 PM	7/23/2012
1207206-02B	FB	7/23/2012 3:20:00 PM	7/23/2012
1207206-02C	FB	7/23/2012 3:20:00 PM	7/23/2012
1207206-02D	FB	7/23/2012 3:20:00 PM	7/23/2012
1207206-02E	FB	7/23/2012 3:20:00 PM	7/23/2012
1207206-03A	MW-1	7/23/2012 2:45:00 PM	7/23/2012
1207206-03B	MW-1	7/23/2012 2:45:00 PM	7/23/2012
1207206-03C	MW-1	7/23/2012 2:45:00 PM	7/23/2012
1207206-03D	MW-1	7/23/2012 2:45:00 PM	7/23/2012
1207206-03E	MW-1	7/23/2012 2:45:00 PM	7/23/2012
1207206-03F	MW-1	7/23/2012 2:45:00 PM	7/23/2012
1207206-04A	MW-2	7/23/2012 3:40:00 PM	7/23/2012
1207206-04B	MW-2	7/23/2012 3:40:00 PM	7/23/2012
1207206-04C	MW-2	7/23/2012 3:40:00 PM	7/23/2012
1207206-04D	MW-2	7/23/2012 3:40:00 PM	7/23/2012
1207206-04E	MW-2	7/23/2012 3:40:00 PM	7/23/2012
1207206-04F	MW-2	7/23/2012 3:40:00 PM	7/23/2012
1207206-05A	MW-3	7/23/2012 3:26:00 PM	7/23/2012
1207206-05B	MW-3	7/23/2012 3:26:00 PM	7/23/2012
1207206-05C	MW-3	7/23/2012 3:26:00 PM	7/23/2012
1207206-05D	MW-3	7/23/2012 3:26:00 PM	7/23/2012
1207206-05E	MW-3	7/23/2012 3:26:00 PM	7/23/2012
1207206-05F	MW-3	7/23/2012 3:26:00 PM	7/23/2012
1207206-06A	MW-4	7/23/2012 2:30:00 PM	7/23/2012
1207206-06B	MW-4	7/23/2012 2:30:00 PM	7/23/2012
1207206-06C	MW-4	7/23/2012 2:30:00 PM	7/23/2012
1207206-06D	MW-4	7/23/2012 2:30:00 PM	7/23/2012
1207206-06E	MW-4	7/23/2012 2:30:00 PM	7/23/2012
1207206-06F	MW-4	7/23/2012 2:30:00 PM	7/23/2012

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027
www.american-analytical.com

NYSDOH	11418
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS
J.A. Holzmacher
300 Wheeler Rd Suite 402
Hauppauge NY 11788

CONTACT: Jim Demartinis

SAMPLER (SIGNATURE)

SAMPLER NAME (PRINT): AJ Scheff

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

TEMPERATURE (° C) 4.8

PROJECT LOCATION: 105-04 Flatlands Ave Brooklyn

ANALYSIS REQUIRED

LABORATORY ID# LAB USE ONLY	MATRIX/ TYPE	NO. OF CONTAINERS	SAMPLING DATE	SAMPLING TIME	SAMPLE # - LOCATION	VOCs 8260	SVOCs 8270	Pesticides/PCBs 8081/8082	TAL metals	Dissolved TAL metals
1207206-01A	W	2	7/23/12	—	TB	X				
-02A-F	↓	8	↓	1520	FB	X	X	X	X	X = not required 7/24/12
-03A-F	↓	↓	↓	1445	MW-1	X	X	X	X	X
-04A-F	↓	↓	↓	1540	MW-2	X	X	X	X	X
-05A-F	↓	↓	↓	1526	MW-3	X	X	X	X	X
-06A-F	↓	↓	↓	1430	MW-4	X	X	X	X	X

COMMENTS / INSTRUCTIONS

Samples must be on ICE (<6° C)

MATRIX S=SOIL; W=WATER; SL=SLUDGE; A=AIR; M=MISCELLANEOUS
TYPE G=GRAB; C=COMPOSITE

TURNAROUND REQUIRED
STANDARD ☑ (7-10 business days) STAT ☐ BY / /

E-MAIL ADDRESS FOR RESULTS:

RELINQUISHED BY (SIGNATURE)	DATE	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE	PRINTED NAME
	7/23/12 TIME 1705	AJ Scheff	Karen Kelly	7/23/12 TIME 1705	K. Kelly
RELINQUISHED BY (SIGNATURE)	DATE TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

American Analytical Laboratories, LLC.

Sample Receipt Checklist

Client Name HOLZMACHER

Date and Time Receive 7/23/2012

Work Order Numbe 1207206

RcptNo: 1

Received by KK

COC_ID:

CoolerID:

Checklist completed by C Jenner 7/24/12 (Signature / Date)

Reviewed by YA B 7/24/12 (Initials / Date)

Matrix:

Carrier name Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	TB
Lab Order:	1207206	**Collection Date:**	7/23/2012
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/26/2012 12:56:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
2-Butanone	U	1.25	2.5	C	µg/L	1	7/26/2012 12:56:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/26/2012 12:56:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	7/26/2012 12:56:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/26/2012 12:56:00 AM
Acetone	U	1.25	5.0	C	µg/L	1	7/26/2012 12:56:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	TB
Lab Order:	1207206	**Collection Date:**	7/23/2012
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5	10	C	µg/L	1	7/26/2012 12:56:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Benzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	7/26/2012 12:56:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Bromoform	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Chloroethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Chloroform	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	7/26/2012 12:56:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Ethanol	U	2.5	5.0		µg/L	1	7/26/2012 12:56:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 12:56:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Freon-114	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	7/26/2012 12:56:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/26/2012 12:56:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/26/2012 12:56:00 AM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Methylene chloride	2.6	0.25	1.0	B	µg/L	1	7/26/2012 12:56:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	TB
Lab Order:	1207206	**Collection Date:**	7/23/2012
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/26/2012 12:56:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 12:56:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/26/2012 12:56:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Styrene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/26/2012 12:56:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	7/26/2012 12:56:00 AM
Toluene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Vinyl acetate	U	0.25	1.0	C	µg/L	1	7/26/2012 12:56:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/26/2012 12:56:00 AM
Surr: 4-Bromofluorobenzene	85.4	0	63-123		%REC	1	7/26/2012 12:56:00 AM
Surr: Dibromofluoromethane	99.0	0	68-124		%REC	1	7/26/2012 12:56:00 AM
Surr: Toluene-d8	87.4	0	67-125		%REC	1	7/26/2012 12:56:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/26/2012 1:27:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
2-Butanone	U	1.25	2.5	C	µg/L	1	7/26/2012 1:27:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/26/2012 1:27:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	7/26/2012 1:27:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/26/2012 1:27:00 AM
Acetone	U	1.25	5.0	C	µg/L	1	7/26/2012 1:27:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5	10	C	µg/L	1	7/26/2012 1:27:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Benzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	7/26/2012 1:27:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Bromoform	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Chloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Chloroform	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	7/26/2012 1:27:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Ethanol	U	2.5	5.0		µg/L	1	7/26/2012 1:27:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 1:27:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Freon-114	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	7/26/2012 1:27:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/26/2012 1:27:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/26/2012 1:27:00 AM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Methylene chloride	2.5	0.25	1.0	B	µg/L	1	7/26/2012 1:27:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/26/2012 1:27:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 1:27:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/26/2012 1:27:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Styrene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/26/2012 1:27:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	7/26/2012 1:27:00 AM
Toluene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Vinyl acetate	U	0.25	1.0	C	µg/L	1	7/26/2012 1:27:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/26/2012 1:27:00 AM
Surr: 4-Bromofluorobenzene	84.4	0	63-123		%REC	1	7/26/2012 1:27:00 AM
Surr: Dibromofluoromethane	99.2	0	68-124		%REC	1	7/26/2012 1:27:00 AM
Surr: Toluene-d8	85.9	0	67-125		%REC	1	7/26/2012 1:27:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
1,2-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
1,3-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
1,4-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2,3,4,6-Tetrachlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2,4,5-Trichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2,4,6-Trichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2,4-Dichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2,4-Dimethylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2,4-Dinitrophenol	U	0.5	5.0	C	µg/L	1	7/27/2012 10:08:00 AM
2,4-Dinitrotoluene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2,6-Dinitrotoluene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2-Chloronaphthalene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2-Chlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2-Methylnaphthalene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2-Methylphenol	U	0.5	5.0	C	µg/L	1	7/27/2012 10:08:00 AM
2-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
2-Nitrophenol	U	1	10		µg/L	1	7/27/2012 10:08:00 AM
3,3´-Dichlorobenzidine	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
3+4-Methylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
3-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
4,6-Dinitro-2-methylphenol	U	1	10	C	µg/L	1	7/27/2012 10:08:00 AM
4-Bromophenyl phenyl ether	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
4-Chloro-3-methylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
4-Chloroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
4-Chlorophenyl phenyl ether	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
4-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
4-Nitrophenol	U	1	10		µg/L	1	7/27/2012 10:08:00 AM
Acenaphthene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Acenaphthylene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Acetophenone	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Aniline	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Atrazine	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Azobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Benzaldehyde	U	0.5	5.0	C	µg/L	1	7/27/2012 10:08:00 AM
Benzidine	U	1	10		µg/L	1	7/27/2012 10:08:00 AM
Benzo(a)anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Benzo(a)pyrene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Benzo(b)fluoranthene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Benzo(g,h,i)perylene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Benzo(k)fluoranthene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Benzoic acid	U	1	10		µg/L	1	7/27/2012 10:08:00 AM
Benzyl alcohol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Biphenyl	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Bis(2-chloroethoxy)methane	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Bis(2-chloroethyl)ether	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Bis(2-chloroisopropyl)ether	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Bis(2-ethylhexyl)phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Butyl benzyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Caprolactam	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Carbazole	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Chrysene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Dibenzo(a,h)anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Dibenzofuran	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Diethyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Dimethyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Di-n-butyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Di-n-octyl phthalate	U	0.5	5.0	C	µg/L	1	7/27/2012 10:08:00 AM
Fluoranthene	U	0.5	5.0	C	µg/L	1	7/27/2012 10:08:00 AM
Fluorene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Hexachlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Hexachlorobutadiene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Hexachlorocyclopentadiene	U	1	10		µg/L	1	7/27/2012 10:08:00 AM
Hexachloroethane	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.5	5.0	C	µg/L	1	7/27/2012 10:08:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Isophorone	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Naphthalene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Nitrobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
N-Nitrosodimethylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
N-Nitrosodi-n-propylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
N-Nitrosodiphenylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Parathion	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Pentachlorophenol	U	1	10		µg/L	1	7/27/2012 10:08:00 AM
Phenanthrene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Phenol	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Pyrene	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Pyridine	U	0.5	5.0		µg/L	1	7/27/2012 10:08:00 AM
Surr: 2,4,6-Tribromophenol	87.8	0	20-148		%REC	1	7/27/2012 10:08:00 AM
Surr: 2-Fluorobiphenyl	83.6	0	21-138		%REC	1	7/27/2012 10:08:00 AM
Surr: 2-Fluorophenol	39.8	0	10-118		%REC	1	7/27/2012 10:08:00 AM
Surr: 4-Terphenyl-d14	101	0	19-145		%REC	1	7/27/2012 10:08:00 AM
Surr: Nitrobenzene-d5	81.2	0	15-149		%REC	1	7/27/2012 10:08:00 AM
Surr: Phenol-d6	26.7	0	10-129		%REC	1	7/27/2012 10:08:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3510C**		Analyst: **SB**
4,4´-DDD	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
4,4´-DDE	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
4,4´-DDT	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Aldrin	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
alpha-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
beta-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Chlordane	U	0.05	1.0		µg/L	1	7/27/2012 5:01:00 PM
Chlorobenzilate	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
DBCP	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
delta-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Dieldrin	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Endosulfan I	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Endosulfan II	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Endosulfan sulfate	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Endrin	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Endrin aldehyde	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Endrin ketone	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
gamma-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Heptachlor	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Heptachlor epoxide	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Hexachlorobenzene	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Hexachlorocyclopentadiene	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Methoxychlor	U	0.02	0.40		µg/L	1	7/27/2012 5:01:00 PM
Toxaphene	U	0.5	10		µg/L	1	7/27/2012 5:01:00 PM
Surr: DCB	78.0	0	11-109		%REC	1	7/27/2012 5:01:00 PM
Surr: TCX	76.2	0	14-110		%REC	1	7/27/2012 5:01:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02D		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3510C**		Analyst: **SB**
Aroclor 1016	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Aroclor 1221	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Aroclor 1232	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Aroclor 1242	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Aroclor 1248	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Aroclor 1254	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Aroclor 1260	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Aroclor 1262	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Aroclor 1268	U	0.03	0.050		µg/L	1	7/27/2012 12:34:00 AM
Surr: DCB	123	0	15-147		%REC	1	7/27/2012 12:34:00 AM
Surr: TCX	85.3	0	19-135		%REC	1	7/27/2012 12:34:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	FB
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:20:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-02E		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**E245.1**				Analyst: **PAV**
Mercury	U	0.0001	0.000200		mg/L	1	7/30/2012 2:11:28 PM
TARGET ANALYTE LIST METALS			**E200.7**		**SW3010A**		Analyst: **JP**
Aluminum	0.0405	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Antimony	U	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Arsenic	U	0.01	0.0250		mg/L	1	7/26/2012 2:57:59 PM
Barium	U	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 2:57:59 PM
Calcium	0.392	0.005	0.0250		mg/L	1	7/26/2012 2:57:59 PM
Chromium	0.0159	0.005	0.0200	J	mg/L	1	7/26/2012 2:57:59 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Copper	U	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Iron	0.0897	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Lead	U	0.005	0.0150		mg/L	1	7/26/2012 2:57:59 PM
Magnesium	0.0876	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Manganese	0.0311	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Nickel	0.00789	0.005	0.0200	J	mg/L	1	7/26/2012 2:57:59 PM
Potassium	0.0943	0.05	0.100	J	mg/L	1	7/26/2012 2:57:59 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 2:57:59 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Sodium	0.861	0.005	0.0300		mg/L	1	7/26/2012 2:57:59 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 2:57:59 PM
Vanadium	U	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM
Zinc	0.0207	0.005	0.0200		mg/L	1	7/26/2012 2:57:59 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,2,4-Trimethylbenzene	0.33	0.25	1.0	J	µg/L	1	7/26/2012 1:58:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/26/2012 1:58:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
2-Butanone	U	1.25	2.5	C	µg/L	1	7/26/2012 1:58:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/26/2012 1:58:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	7/26/2012 1:58:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/26/2012 1:58:00 AM
Acetone	U	1.25	5.0	C	µg/L	1	7/26/2012 1:58:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5	10	C	µg/L	1	7/26/2012 1:58:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Benzene	0.94	0.25	1.0	J	µg/L	1	7/26/2012 1:58:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	7/26/2012 1:58:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Bromoform	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Chloroethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Chloroform	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	7/26/2012 1:58:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Ethanol	U	2.5	5.0		µg/L	1	7/26/2012 1:58:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 1:58:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Freon-114	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	7/26/2012 1:58:00 AM
Isopropylbenzene	0.25	0.25	1.0	J	µg/L	1	7/26/2012 1:58:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/26/2012 1:58:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/26/2012 1:58:00 AM
Methyl tert-butyl ether	0.31	0.25	1.0	J	µg/L	1	7/26/2012 1:58:00 AM
Methylene chloride	2.2	0.25	1.0	B	µg/L	1	7/26/2012 1:58:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/26/2012 1:58:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 1:58:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/26/2012 1:58:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Styrene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/26/2012 1:58:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	7/26/2012 1:58:00 AM
Toluene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Vinyl acetate	U	0.25	1.0	C	µg/L	1	7/26/2012 1:58:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/26/2012 1:58:00 AM
Surr: 4-Bromofluorobenzene	85.7	0	63-123		%REC	1	7/26/2012 1:58:00 AM
Surr: Dibromofluoromethane	99.3	0	68-124		%REC	1	7/26/2012 1:58:00 AM
Surr: Toluene-d8	85.4	0	67-125		%REC	1	7/26/2012 1:58:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
1,2-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
1,3-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
1,4-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2,3,4,6-Tetrachlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2,4,5-Trichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2,4,6-Trichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2,4-Dichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2,4-Dimethylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2,4-Dinitrophenol	U	0.5	5.0	C	µg/L	1	7/27/2012 10:33:00 AM
2,4-Dinitrotoluene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2,6-Dinitrotoluene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2-Chloronaphthalene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2-Chlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2-Methylnaphthalene	0.51	0.5	5.0	J	µg/L	1	7/27/2012 10:33:00 AM
2-Methylphenol	U	0.5	5.0	C	µg/L	1	7/27/2012 10:33:00 AM
2-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
2-Nitrophenol	U	1	10		µg/L	1	7/27/2012 10:33:00 AM
3,3'-Dichlorobenzidine	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
3+4-Methylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
3-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
4,6-Dinitro-2-methylphenol	U	1	10	C	µg/L	1	7/27/2012 10:33:00 AM
4-Bromophenyl phenyl ether	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
4-Chloro-3-methylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
4-Chloroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
4-Chlorophenyl phenyl ether	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
4-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
4-Nitrophenol	U	1	10		µg/L	1	7/27/2012 10:33:00 AM
Acenaphthene	4.7	0.5	5.0	J	µg/L	1	7/27/2012 10:33:00 AM
Acenaphthylene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Acetophenone	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Aniline	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Atrazine	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Azobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Benzaldehyde	U	0.5	5.0	C	µg/L	1	7/27/2012 10:33:00 AM
Benzidine	U	1	10		µg/L	1	7/27/2012 10:33:00 AM
Benzo(a)anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Benzo(a)pyrene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Benzo(b)fluoranthene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Benzo(g,h,i)perylene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Benzo(k)fluoranthene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Benzoic acid	U	1	10		µg/L	1	7/27/2012 10:33:00 AM
Benzyl alcohol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Biphenyl	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Bis(2-chloroethoxy)methane	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Bis(2-chloroethyl)ether	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Bis(2-chloroisopropyl)ether	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Bis(2-ethylhexyl)phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Butyl benzyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Caprolactam	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Carbazole	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Chrysene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Dibenzo(a,h)anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Dibenzofuran	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Diethyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Dimethyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Di-n-butyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Di-n-octyl phthalate	U	0.5	5.0	C	µg/L	1	7/27/2012 10:33:00 AM
Fluoranthene	U	0.5	5.0	C	µg/L	1	7/27/2012 10:33:00 AM
Fluorene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Hexachlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Hexachlorobutadiene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Hexachlorocyclopentadiene	U	1	10		µg/L	1	7/27/2012 10:33:00 AM
Hexachloroethane	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.5	5.0	C	µg/L	1	7/27/2012 10:33:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Isophorone	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Naphthalene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Nitrobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
N-Nitrosodimethylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
N-Nitrosodi-n-propylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
N-Nitrosodiphenylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Parathion	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Pentachlorophenol	U	1	10		µg/L	1	7/27/2012 10:33:00 AM
Phenanthrene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Phenol	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Pyrene	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Pyridine	U	0.5	5.0		µg/L	1	7/27/2012 10:33:00 AM
Surr: 2,4,6-Tribromophenol	102	0	20-148		%REC	1	7/27/2012 10:33:00 AM
Surr: 2-Fluorobiphenyl	86.3	0	21-138		%REC	1	7/27/2012 10:33:00 AM
Surr: 2-Fluorophenol	44.8	0	10-118		%REC	1	7/27/2012 10:33:00 AM
Surr: 4-Terphenyl-d14	118	0	19-145		%REC	1	7/27/2012 10:33:00 AM
Surr: Nitrobenzene-d5	92.6	0	15-149		%REC	1	7/27/2012 10:33:00 AM
Surr: Phenol-d6	31.6	0	10-129		%REC	1	7/27/2012 10:33:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3510C**		Analyst: **SB**
4,4'-DDD	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
4,4'-DDE	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
4,4'-DDT	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Aldrin	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
alpha-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
beta-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Chlordane	U	0.05	1.0		µg/L	1	7/27/2012 5:16:00 PM
Chlorobenzilate	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
DBCP	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
delta-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Dieldrin	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Endosulfan I	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Endosulfan II	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Endosulfan sulfate	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Endrin	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Endrin aldehyde	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Endrin ketone	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
gamma-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Heptachlor	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Heptachlor epoxide	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Hexachlorobenzene	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Hexachlorocyclopentadiene	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Methoxychlor	U	0.02	0.40		µg/L	1	7/27/2012 5:16:00 PM
Toxaphene	U	0.5	10		µg/L	1	7/27/2012 5:16:00 PM
Surr: DCB	62.4	0	11-109		%REC	1	7/27/2012 5:16:00 PM
Surr: TCX	80.7	0	14-110		%REC	1	7/27/2012 5:16:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03D		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3510C**		Analyst: **SB**
Aroclor 1016	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Aroclor 1221	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Aroclor 1232	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Aroclor 1242	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Aroclor 1248	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Aroclor 1254	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Aroclor 1260	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Aroclor 1262	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Aroclor 1268	U	0.03	0.050		µg/L	1	7/27/2012 12:58:00 AM
Surr: DCB	79.2	0	15-147		%REC	1	7/27/2012 12:58:00 AM
Surr: TCX	75.3	0	19-135		%REC	1	7/27/2012 12:58:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03E		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**E245.1**				Analyst: **PAV**
Mercury	U	0.0001	0.000200		mg/L	1	7/30/2012 2:13:35 PM
TARGET ANALYTE LIST METALS			**E200.7**		**SW3010A**		Analyst: **JP**
Aluminum	7.62	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Antimony	U	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Arsenic	U	0.01	0.0250		mg/L	1	7/26/2012 1:51:24 PM
Barium	0.256	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 1:51:24 PM
Calcium	119	0.005	0.0250		mg/L	1	7/26/2012 1:51:24 PM
Chromium	0.0188	0.005	0.0200	J	mg/L	1	7/26/2012 1:51:24 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Copper	0.0214	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Iron	25.6	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Lead	0.0250	0.005	0.0150		mg/L	1	7/26/2012 1:51:24 PM
Magnesium	11.8	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Manganese	0.628	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Nickel	0.0182	0.005	0.0200	J	mg/L	1	7/26/2012 1:51:24 PM
Potassium	9.38	0.05	0.100		mg/L	1	7/26/2012 1:51:24 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 1:51:24 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM
Sodium	32.4	0.005	0.0300		mg/L	1	7/26/2012 1:51:24 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 1:51:24 PM
Vanadium	0.0151	0.005	0.0200	J	mg/L	1	7/26/2012 1:51:24 PM
Zinc	0.104	0.005	0.0200		mg/L	1	7/26/2012 1:51:24 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-1
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:45:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-03F		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY-DISSOLVED			**E245.1**		**SW3005A**		Analyst: **PAV**
Mercury	U	0.0001	0.000200		mg/L	1	7/30/2012 2:43:55 PM
TARGET ANALYTE LIST METALS-DISSOLVED			**E200.7**		**SW3005A**		Analyst: **JP**
Aluminum	0.0128	0.005	0.0200	J	mg/L	1	7/26/2012 2:06:31 PM
Antimony	U	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Arsenic	U	0.01	0.0250		mg/L	1	7/26/2012 2:06:31 PM
Barium	0.194	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 2:06:31 PM
Calcium	118	0.005	0.0250		mg/L	1	7/26/2012 2:06:31 PM
Chromium	U	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Copper	U	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Iron	6.84	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Lead	U	0.005	0.0150		mg/L	1	7/26/2012 2:06:31 PM
Magnesium	10.7	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Manganese	0.524	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Nickel	U	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Potassium	8.63	0.05	0.100		mg/L	1	7/26/2012 2:06:31 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 2:06:31 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Sodium	34.0	0.005	0.0300		mg/L	1	7/26/2012 2:06:31 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 2:06:31 PM
Vanadium	U	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM
Zinc	0.0354	0.005	0.0200		mg/L	1	7/26/2012 2:06:31 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/26/2012 2:29:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
2-Butanone	U	1.25	2.5	C	µg/L	1	7/26/2012 2:29:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/26/2012 2:29:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	7/26/2012 2:29:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/26/2012 2:29:00 AM
Acetone	U	1.25	5.0	C	µg/L	1	7/26/2012 2:29:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5	10	C	µg/L	1	7/26/2012 2:29:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Benzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	7/26/2012 2:29:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Bromoform	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Chloroethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Chloroform	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	7/26/2012 2:29:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Ethanol	U	2.5	5.0		µg/L	1	7/26/2012 2:29:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 2:29:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Freon-114	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	7/26/2012 2:29:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/26/2012 2:29:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/26/2012 2:29:00 AM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Methylene chloride	2.3	0.25	1.0	B	µg/L	1	7/26/2012 2:29:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/26/2012 2:29:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 2:29:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/26/2012 2:29:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Styrene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/26/2012 2:29:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	7/26/2012 2:29:00 AM
Toluene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Vinyl acetate	U	0.25	1.0	C	µg/L	1	7/26/2012 2:29:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/26/2012 2:29:00 AM
Surr: 4-Bromofluorobenzene	84.3	0	63-123		%REC	1	7/26/2012 2:29:00 AM
Surr: Dibromofluoromethane	98.7	0	68-124		%REC	1	7/26/2012 2:29:00 AM
Surr: Toluene-d8	85.3	0	67-125		%REC	1	7/26/2012 2:29:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
1,2-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
1,3-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
1,4-Dichlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2,3,4,6-Tetrachlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2,4,5-Trichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2,4,6-Trichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2,4-Dichlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2,4-Dimethylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2,4-Dinitrophenol	U	0.5	5.0	C	µg/L	1	7/27/2012 10:57:00 AM
2,4-Dinitrotoluene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2,6-Dinitrotoluene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2-Chloronaphthalene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2-Chlorophenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2-Methylnaphthalene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2-Methylphenol	U	0.5	5.0	C	µg/L	1	7/27/2012 10:57:00 AM
2-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
2-Nitrophenol	U	1	10		µg/L	1	7/27/2012 10:57:00 AM
3,3´-Dichlorobenzidine	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
3+4-Methylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
3-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
4,6-Dinitro-2-methylphenol	U	1	10	C	µg/L	1	7/27/2012 10:57:00 AM
4-Bromophenyl phenyl ether	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
4-Chloro-3-methylphenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
4-Chloroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
4-Chlorophenyl phenyl ether	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
4-Nitroaniline	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
4-Nitrophenol	U	1	10		µg/L	1	7/27/2012 10:57:00 AM
Acenaphthene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Acenaphthylene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Acetophenone	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Aniline	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Atrazine	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Azobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Benzaldehyde	U	0.5	5.0	C	µg/L	1	7/27/2012 10:57:00 AM
Benzidine	U	1	10		µg/L	1	7/27/2012 10:57:00 AM
Benzo(a)anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Benzo(a)pyrene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Benzo(b)fluoranthene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Benzo(g,h,i)perylene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Benzo(k)fluoranthene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Benzoic acid	U	1	10		µg/L	1	7/27/2012 10:57:00 AM
Benzyl alcohol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Biphenyl	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Bis(2-chloroethoxy)methane	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Bis(2-chloroethyl)ether	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Bis(2-chloroisopropyl)ether	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Bis(2-ethylhexyl)phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Butyl benzyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Caprolactam	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Carbazole	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Chrysene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Dibenzo(a,h)anthracene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Dibenzofuran	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Diethyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Dimethyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Di-n-butyl phthalate	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Di-n-octyl phthalate	U	0.5	5.0	C	µg/L	1	7/27/2012 10:57:00 AM
Fluoranthene	U	0.5	5.0	C	µg/L	1	7/27/2012 10:57:00 AM
Fluorene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Hexachlorobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Hexachlorobutadiene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Hexachlorocyclopentadiene	U	1	10		µg/L	1	7/27/2012 10:57:00 AM
Hexachloroethane	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.5	5.0	C	µg/L	1	7/27/2012 10:57:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Isophorone	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Naphthalene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Nitrobenzene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
N-Nitrosodimethylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
N-Nitrosodi-n-propylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
N-Nitrosodiphenylamine	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Parathion	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Pentachlorophenol	U	1	10		µg/L	1	7/27/2012 10:57:00 AM
Phenanthrene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Phenol	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Pyrene	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Pyridine	U	0.5	5.0		µg/L	1	7/27/2012 10:57:00 AM
Surr: 2,4,6-Tribromophenol	82.7	0	20-148		%REC	1	7/27/2012 10:57:00 AM
Surr: 2-Fluorobiphenyl	86.1	0	21-138		%REC	1	7/27/2012 10:57:00 AM
Surr: 2-Fluorophenol	35.7	0	10-118		%REC	1	7/27/2012 10:57:00 AM
Surr: 4-Terphenyl-d14	127	0	19-145		%REC	1	7/27/2012 10:57:00 AM
Surr: Nitrobenzene-d5	90.7	0	15-149		%REC	1	7/27/2012 10:57:00 AM
Surr: Phenol-d6	25.4	0	10-129		%REC	1	7/27/2012 10:57:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3510C**		Analyst: **SB**
4,4´-DDD	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
4,4´-DDE	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
4,4´-DDT	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Aldrin	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
alpha-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
beta-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Chlordane	U	0.05	1.0		µg/L	1	7/27/2012 5:30:00 PM
Chlorobenzilate	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
DBCP	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
delta-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Dieldrin	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Endosulfan I	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Endosulfan II	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Endosulfan sulfate	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Endrin	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Endrin aldehyde	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Endrin ketone	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
gamma-BHC	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Heptachlor	0.027	0.02	0.40	JP	µg/L	1	7/27/2012 5:30:00 PM
Heptachlor epoxide	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Hexachlorobenzene	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Hexachlorocyclopentadiene	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Methoxychlor	U	0.02	0.40		µg/L	1	7/27/2012 5:30:00 PM
Toxaphene	U	0.5	10		µg/L	1	7/27/2012 5:30:00 PM
Surr: DCB	64.4	0	11-109		%REC	1	7/27/2012 5:30:00 PM
Surr: TCX	84.2	0	14-110		%REC	1	7/27/2012 5:30:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04D		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3510C**		Analyst: **SB**
Aroclor 1016	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Aroclor 1221	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Aroclor 1232	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Aroclor 1242	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Aroclor 1248	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Aroclor 1254	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Aroclor 1260	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Aroclor 1262	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Aroclor 1268	U	0.03	0.050		µg/L	1	7/27/2012 1:21:00 AM
Surr: DCB	72.0	0	15-147		%REC	1	7/27/2012 1:21:00 AM
Surr: TCX	79.9	0	19-135		%REC	1	7/27/2012 1:21:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04E		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**E245.1**				Analyst: **PAV**
Mercury	0.000230	0.0001	0.000200		mg/L	1	7/30/2012 2:15:43 PM
TARGET ANALYTE LIST METALS			**E200.7**		**SW3010A**		Analyst: **JP**
Aluminum	24.6	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Antimony	U	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Arsenic	U	0.01	0.0250		mg/L	1	7/26/2012 3:00:01 PM
Barium	0.262	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 3:00:01 PM
Calcium	107	0.005	0.0250		mg/L	1	7/26/2012 3:00:01 PM
Chromium	0.0452	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Copper	0.0492	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Iron	14.6	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Lead	0.0283	0.005	0.0150		mg/L	1	7/26/2012 3:00:01 PM
Magnesium	14.4	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Manganese	0.404	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Nickel	0.0369	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Potassium	8.77	0.05	0.100		mg/L	1	7/26/2012 3:00:01 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 3:00:01 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Sodium	45.1	0.005	0.0300		mg/L	1	7/26/2012 3:00:01 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 3:00:01 PM
Vanadium	0.0314	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM
Zinc	0.101	0.005	0.0200		mg/L	1	7/26/2012 3:00:01 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-2
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:40:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-04F		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY-DISSOLVED			**E245.1**		**SW3005A**		Analyst: **PAV**
Mercury	U	0.0001	0.000200		mg/L	1	7/30/2012 2:46:03 PM
TARGET ANALYTE LIST METALS-DISSOLVED			**E200.7**		**SW3005A**		Analyst: **JP**
Aluminum	0.0104	0.005	0.0200	J	mg/L	1	7/26/2012 2:08:33 PM
Antimony	U	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Arsenic	U	0.01	0.0250		mg/L	1	7/26/2012 2:08:33 PM
Barium	0.182	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 2:08:33 PM
Calcium	106	0.005	0.0250		mg/L	1	7/26/2012 2:08:33 PM
Chromium	U	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Copper	U	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Iron	0.769	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Lead	U	0.005	0.0150		mg/L	1	7/26/2012 2:08:33 PM
Magnesium	11.1	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Manganese	0.277	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Nickel	U	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Potassium	7.18	0.05	0.100		mg/L	1	7/26/2012 2:08:33 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 2:08:33 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Sodium	45.2	0.005	0.0300		mg/L	1	7/26/2012 2:08:33 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 2:08:33 PM
Vanadium	U	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM
Zinc	0.0382	0.005	0.0200		mg/L	1	7/26/2012 2:08:33 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/26/2012 3:00:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
2-Butanone	U	1.25	2.5	C	µg/L	1	7/26/2012 3:00:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/26/2012 3:00:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	7/26/2012 3:00:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/26/2012 3:00:00 AM
Acetone	U	1.25	5.0	C	µg/L	1	7/26/2012 3:00:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5	10	C	µg/L	1	7/26/2012 3:00:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Benzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	7/26/2012 3:00:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Bromoform	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Chloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Chloroform	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	7/26/2012 3:00:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Ethanol	U	2.5	5.0		µg/L	1	7/26/2012 3:00:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 3:00:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Freon-114	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	7/26/2012 3:00:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/26/2012 3:00:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/26/2012 3:00:00 AM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Methylene chloride	2.8	0.25	1.0	B	µg/L	1	7/26/2012 3:00:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/26/2012 3:00:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 3:00:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/26/2012 3:00:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Styrene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/26/2012 3:00:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	7/26/2012 3:00:00 AM
Toluene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Vinyl acetate	U	0.25	1.0	C	µg/L	1	7/26/2012 3:00:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/26/2012 3:00:00 AM
Surr: 4-Bromofluorobenzene	85.6	0	63-123		%REC	1	7/26/2012 3:00:00 AM
Surr: Dibromofluoromethane	100	0	68-124		%REC	1	7/26/2012 3:00:00 AM
Surr: Toluene-d8	85.7	0	67-125		%REC	1	7/26/2012 3:00:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
1,2-Dichlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
1,3-Dichlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
1,4-Dichlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2,3,4,6-Tetrachlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2,4,5-Trichlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2,4,6-Trichlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2,4-Dichlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2,4-Dimethylphenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2,4-Dinitrophenol	U	0.52	5.2	C	µg/L	1	7/27/2012 11:22:00 AM
2,4-Dinitrotoluene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2,6-Dinitrotoluene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2-Chloronaphthalene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2-Chlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2-Methylnaphthalene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2-Methylphenol	U	0.52	5.2	C	µg/L	1	7/27/2012 11:22:00 AM
2-Nitroaniline	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
2-Nitrophenol	U	1.04	10		µg/L	1	7/27/2012 11:22:00 AM
3,3'-Dichlorobenzidine	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
3+4-Methylphenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
3-Nitroaniline	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
4,6-Dinitro-2-methylphenol	U	1.04	10	C	µg/L	1	7/27/2012 11:22:00 AM
4-Bromophenyl phenyl ether	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
4-Chloro-3-methylphenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
4-Chloroaniline	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
4-Chlorophenyl phenyl ether	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
4-Nitroaniline	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
4-Nitrophenol	U	1.04	10		µg/L	1	7/27/2012 11:22:00 AM
Acenaphthene	2.9	0.52	5.2	J	µg/L	1	7/27/2012 11:22:00 AM
Acenaphthylene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Acetophenone	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Aniline	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Anthracene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Atrazine	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Azobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Benzaldehyde	U	0.52	5.2	C	µg/L	1	7/27/2012 11:22:00 AM
Benzidine	U	1.04	10		µg/L	1	7/27/2012 11:22:00 AM
Benzo(a)anthracene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Benzo(a)pyrene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Benzo(b)fluoranthene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Benzo(g,h,i)perylene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Benzo(k)fluoranthene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Benzoic acid	U	1.04	10		µg/L	1	7/27/2012 11:22:00 AM
Benzyl alcohol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Biphenyl	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Bis(2-chloroethoxy)methane	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Bis(2-chloroethyl)ether	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Bis(2-chloroisopropyl)ether	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Bis(2-ethylhexyl)phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Butyl benzyl phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Caprolactam	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Carbazole	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Chrysene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Dibenzo(a,h)anthracene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Dibenzofuran	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Diethyl phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Dimethyl phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Di-n-butyl phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Di-n-octyl phthalate	U	0.52	5.2	C	µg/L	1	7/27/2012 11:22:00 AM
Fluoranthene	U	0.52	5.2	C	µg/L	1	7/27/2012 11:22:00 AM
Fluorene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Hexachlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Hexachlorobutadiene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Hexachlorocyclopentadiene	U	1.04	10		µg/L	1	7/27/2012 11:22:00 AM
Hexachloroethane	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.52	5.2	C	µg/L	1	7/27/2012 11:22:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Isophorone	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Naphthalene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Nitrobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
N-Nitrosodimethylamine	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
N-Nitrosodi-n-propylamine	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
N-Nitrosodiphenylamine	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Parathion	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Pentachlorophenol	U	1.04	10		µg/L	1	7/27/2012 11:22:00 AM
Phenanthrene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Phenol	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Pyrene	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Pyridine	U	0.52	5.2		µg/L	1	7/27/2012 11:22:00 AM
Surr: 2,4,6-Tribromophenol	100	0	20-148		%REC	1	7/27/2012 11:22:00 AM
Surr: 2-Fluorobiphenyl	93.0	0	21-138		%REC	1	7/27/2012 11:22:00 AM
Surr: 2-Fluorophenol	41.0	0	10-118		%REC	1	7/27/2012 11:22:00 AM
Surr: 4-Terphenyl-d14	104	0	19-145		%REC	1	7/27/2012 11:22:00 AM
Surr: Nitrobenzene-d5	88.9	0	15-149		%REC	1	7/27/2012 11:22:00 AM
Surr: Phenol-d6	29.5	0	10-129		%REC	1	7/27/2012 11:22:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3510C**		Analyst: **SB**
4,4´-DDD	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
4,4´-DDE	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
4,4´-DDT	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Aldrin	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
alpha-BHC	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
beta-BHC	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Chlordane	U	0.05	1.0		µg/L	1	7/27/2012 5:44:00 PM
Chlorobenzilate	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
DBCP	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
delta-BHC	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Dieldrin	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Endosulfan I	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Endosulfan II	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Endosulfan sulfate	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Endrin	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Endrin aldehyde	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Endrin ketone	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
gamma-BHC	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Heptachlor	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Heptachlor epoxide	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Hexachlorobenzene	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Hexachlorocyclopentadiene	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Methoxychlor	U	0.02	0.42		µg/L	1	7/27/2012 5:44:00 PM
Toxaphene	U	0.52	10		µg/L	1	7/27/2012 5:44:00 PM
Surr: DCB	106	0	11-109		%REC	1	7/27/2012 5:44:00 PM
Surr: TCX	112	0	14-110	S	%REC	1	7/27/2012 5:44:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05D		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3510C**		Analyst: **SB**
Aroclor 1016	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Aroclor 1221	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Aroclor 1232	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Aroclor 1242	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Aroclor 1248	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Aroclor 1254	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Aroclor 1260	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Aroclor 1262	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Aroclor 1268	U	0.03	0.052		µg/L	1	7/27/2012 1:45:00 AM
Surr: DCB	95.6	0	15-147		%REC	1	7/27/2012 1:45:00 AM
Surr: TCX	83.1	0	19-135		%REC	1	7/27/2012 1:45:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05E		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**E245.1**				Analyst: **PAV**
Mercury	U	0.0001	0.000200		mg/L	1	7/30/2012 2:17:51 PM
TARGET ANALYTE LIST METALS			**E200.7**		**SW3010A**		Analyst: **JP**
Aluminum	2.72	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM
Antimony	0.00907	0.005	0.0200	J	mg/L	1	7/26/2012 3:02:03 PM
Arsenic	U	0.01	0.0250		mg/L	1	7/26/2012 3:02:03 PM
Barium	0.0889	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 3:02:03 PM
Calcium	55.9	0.005	0.0250		mg/L	1	7/26/2012 3:02:03 PM
Chromium	0.00793	0.005	0.0200	J	mg/L	1	7/26/2012 3:02:03 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM
Copper	0.0121	0.005	0.0200	J	mg/L	1	7/26/2012 3:02:03 PM
Iron	3.47	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM
Lead	U	0.005	0.0150		mg/L	1	7/26/2012 3:02:03 PM
Magnesium	10.4	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM
Manganese	0.118	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM
Nickel	0.00559	0.005	0.0200	J	mg/L	1	7/26/2012 3:02:03 PM
Potassium	2.96	0.05	0.100		mg/L	1	7/26/2012 3:02:03 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 3:02:03 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM
Sodium	12.5	0.005	0.0300		mg/L	1	7/26/2012 3:02:03 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 3:02:03 PM
Vanadium	0.00517	0.005	0.0200	J	mg/L	1	7/26/2012 3:02:03 PM
Zinc	0.0499	0.005	0.0200		mg/L	1	7/26/2012 3:02:03 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-3
Lab Order:	1207206	**Collection Date:**	7/23/2012 3:26:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-05F		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY-DISSOLVED			**E245.1**		**SW3005A**		Analyst: **PAV**
Mercury	U	0.0001	0.000200		mg/L	1	7/30/2012 2:48:12 PM
TARGET ANALYTE LIST METALS-DISSOLVED			**E200.7**		**SW3005A**		Analyst: **JP**
Aluminum	0.00811	0.005	0.0200	J	mg/L	1	7/26/2012 2:10:36 PM
Antimony	U	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Arsenic	U	0.01	0.0250		mg/L	1	7/26/2012 2:10:36 PM
Barium	0.0758	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 2:10:36 PM
Calcium	59.5	0.005	0.0250		mg/L	1	7/26/2012 2:10:36 PM
Chromium	U	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Copper	U	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Iron	0.699	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Lead	U	0.005	0.0150		mg/L	1	7/26/2012 2:10:36 PM
Magnesium	10.7	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Manganese	0.109	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Nickel	U	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Potassium	3.03	0.05	0.100		mg/L	1	7/26/2012 2:10:36 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 2:10:36 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Sodium	13.3	0.005	0.0300		mg/L	1	7/26/2012 2:10:36 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 2:10:36 PM
Vanadium	U	0.005	0.0200		mg/L	1	7/26/2012 2:10:36 PM
Zinc	0.0167	0.005	0.0200	J	mg/L	1	7/26/2012 2:10:36 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/26/2012 3:31:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
2-Butanone	U	1.25	2.5	C	µg/L	1	7/26/2012 3:31:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/26/2012 3:31:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	7/26/2012 3:31:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/26/2012 3:31:00 AM
Acetone	U	1.25	5.0	C	µg/L	1	7/26/2012 3:31:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5	10	C	µg/L	1	7/26/2012 3:31:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Benzene	5.2	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	7/26/2012 3:31:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Bromoform	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Chloroethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Chloroform	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	7/26/2012 3:31:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Ethanol	U	2.5	5.0		µg/L	1	7/26/2012 3:31:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 3:31:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Freon-114	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	7/26/2012 3:31:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/26/2012 3:31:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/26/2012 3:31:00 AM
Methyl tert-butyl ether	0.46	0.25	1.0	J	µg/L	1	7/26/2012 3:31:00 AM
Methylene chloride	2.2	0.25	1.0	B	µg/L	1	7/26/2012 3:31:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/26/2012 3:31:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/26/2012 3:31:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/26/2012 3:31:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Styrene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/26/2012 3:31:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	7/26/2012 3:31:00 AM
Toluene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Vinyl acetate	U	0.25	1.0	C	µg/L	1	7/26/2012 3:31:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/26/2012 3:31:00 AM
Surr: 4-Bromofluorobenzene	87.2	0	63-123		%REC	1	7/26/2012 3:31:00 AM
Surr: Dibromofluoromethane	101	0	68-124		%REC	1	7/26/2012 3:31:00 AM
Surr: Toluene-d8	87.5	0	67-125		%REC	1	7/26/2012 3:31:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
1,2-Dichlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
1,3-Dichlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
1,4-Dichlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2,3,4,6-Tetrachlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2,4,5-Trichlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2,4,6-Trichlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2,4-Dichlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2,4-Dimethylphenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2,4-Dinitrophenol	U	0.52	5.2	C	µg/L	1	7/27/2012 11:46:00 AM
2,4-Dinitrotoluene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2,6-Dinitrotoluene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2-Chloronaphthalene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2-Chlorophenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2-Methylnaphthalene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2-Methylphenol	U	0.52	5.2	C	µg/L	1	7/27/2012 11:46:00 AM
2-Nitroaniline	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
2-Nitrophenol	U	1.04	10		µg/L	1	7/27/2012 11:46:00 AM
3,3´-Dichlorobenzidine	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
3+4-Methylphenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
3-Nitroaniline	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
4,6-Dinitro-2-methylphenol	U	1.04	10	C	µg/L	1	7/27/2012 11:46:00 AM
4-Bromophenyl phenyl ether	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
4-Chloro-3-methylphenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
4-Chloroaniline	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
4-Chlorophenyl phenyl ether	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
4-Nitroaniline	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
4-Nitrophenol	U	1.04	10		µg/L	1	7/27/2012 11:46:00 AM
Acenaphthene	3.4	0.52	5.2	J	µg/L	1	7/27/2012 11:46:00 AM
Acenaphthylene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Acetophenone	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Aniline	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Anthracene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Atrazine	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Azobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Benzaldehyde	U	0.52	5.2	C	µg/L	1	7/27/2012 11:46:00 AM
Benzidine	U	1.04	10		µg/L	1	7/27/2012 11:46:00 AM
Benzo(a)anthracene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Benzo(a)pyrene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Benzo(b)fluoranthene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Benzo(g,h,i)perylene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Benzo(k)fluoranthene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Benzoic acid	U	1.04	10		µg/L	1	7/27/2012 11:46:00 AM
Benzyl alcohol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Biphenyl	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Bis(2-chloroethoxy)methane	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Bis(2-chloroethyl)ether	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Bis(2-chloroisopropyl)ether	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Bis(2-ethylhexyl)phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Butyl benzyl phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Caprolactam	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Carbazole	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Chrysene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Dibenzo(a,h)anthracene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Dibenzofuran	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Diethyl phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Dimethyl phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Di-n-butyl phthalate	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Di-n-octyl phthalate	U	0.52	5.2	C	µg/L	1	7/27/2012 11:46:00 AM
Fluoranthene	U	0.52	5.2	C	µg/L	1	7/27/2012 11:46:00 AM
Fluorene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Hexachlorobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Hexachlorobutadiene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Hexachlorocyclopentadiene	U	1.04	10		µg/L	1	7/27/2012 11:46:00 AM
Hexachloroethane	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.52	5.2	C	µg/L	1	7/27/2012 11:46:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3510C**		Analyst: **LDS**
Isophorone	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Naphthalene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Nitrobenzene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
N-Nitrosodimethylamine	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
N-Nitrosodi-n-propylamine	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
N-Nitrosodiphenylamine	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Parathion	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Pentachlorophenol	U	1.04	10		µg/L	1	7/27/2012 11:46:00 AM
Phenanthrene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Phenol	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Pyrene	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Pyridine	U	0.52	5.2		µg/L	1	7/27/2012 11:46:00 AM
Surr: 2,4,6-Tribromophenol	111	0	20-148		%REC	1	7/27/2012 11:46:00 AM
Surr: 2-Fluorobiphenyl	104	0	21-138		%REC	1	7/27/2012 11:46:00 AM
Surr: 2-Fluorophenol	48.7	0	10-118		%REC	1	7/27/2012 11:46:00 AM
Surr: 4-Terphenyl-d14	104	0	19-145		%REC	1	7/27/2012 11:46:00 AM
Surr: Nitrobenzene-d5	95.7	0	15-149		%REC	1	7/27/2012 11:46:00 AM
Surr: Phenol-d6	36.5	0	10-129		%REC	1	7/27/2012 11:46:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3510C**		Analyst: **SB**
4,4´-DDD	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
4,4´-DDE	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
4,4´-DDT	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Aldrin	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
alpha-BHC	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
beta-BHC	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Chlordane	U	0.05	1.0		µg/L	1	7/27/2012 5:58:00 PM
Chlorobenzilate	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
DBCP	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
delta-BHC	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Dieldrin	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Endosulfan I	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Endosulfan II	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Endosulfan sulfate	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Endrin	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Endrin aldehyde	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Endrin ketone	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
gamma-BHC	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Heptachlor	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Heptachlor epoxide	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Hexachlorobenzene	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Hexachlorocyclopentadiene	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Methoxychlor	U	0.02	0.42		µg/L	1	7/27/2012 5:58:00 PM
Toxaphene	U	0.52	10		µg/L	1	7/27/2012 5:58:00 PM
Surr: DCB	73.2	0	11-109		%REC	1	7/27/2012 5:58:00 PM
Surr: TCX	103	0	14-110		%REC	1	7/27/2012 5:58:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06D		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3510C**		Analyst: **SB**
Aroclor 1016	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Aroclor 1221	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Aroclor 1232	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Aroclor 1242	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Aroclor 1248	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Aroclor 1254	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Aroclor 1260	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Aroclor 1262	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Aroclor 1268	U	0.03	0.052		µg/L	1	7/27/2012 2:08:00 AM
Surr: DCB	72.0	0	15-147		%REC	1	7/27/2012 2:08:00 AM
Surr: TCX	80.1	0	19-135		%REC	1	7/27/2012 2:08:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06E		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**E245.1**				Analyst: **PAV**
Mercury	0.000260	0.0001	0.000200		mg/L	1	7/30/2012 2:24:11 PM
TARGET ANALYTE LIST METALS			**E200.7**		**SW3010A**		Analyst: **JP**
Aluminum	31.4	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Antimony	U	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Arsenic	0.0102	0.01	0.0250	J	mg/L	1	7/26/2012 3:04:05 PM
Barium	0.305	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 3:04:05 PM
Calcium	101	0.005	0.0250		mg/L	1	7/26/2012 3:04:05 PM
Chromium	0.0662	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Copper	0.0519	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Iron	61.3	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Lead	0.0534	0.005	0.0150		mg/L	1	7/26/2012 3:04:05 PM
Magnesium	19.8	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Manganese	1.81	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Nickel	0.0515	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Potassium	10.4	0.05	0.100		mg/L	1	7/26/2012 3:04:05 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 3:04:05 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Sodium	18.5	0.005	0.0300		mg/L	1	7/26/2012 3:04:05 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 3:04:05 PM
Vanadium	0.0762	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM
Zinc	0.114	0.005	0.0200		mg/L	1	7/26/2012 3:04:05 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

ELAP ID : 11418

CLIENT:	J.R. Holzmacher P.E. LLC	**Client Sample ID:**	MW-4
Lab Order:	1207206	**Collection Date:**	7/23/2012 2:30:00 PM
Project:	105-04 Flatlands Ave., Brooklyn	**Matrix:**	LIQUID
Lab ID:	1207206-06F		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY-DISSOLVED			E245.1		SW3005A		Analyst: PAV
Mercury	U	0.0001	0.000200		mg/L	1	7/30/2012 2:54:33 PM
TARGET ANALYTE LIST METALS-DISSOLVED			E200.7		SW3005A		Analyst: JP
Aluminum	0.0133	0.005	0.0200	J	mg/L	1	7/26/2012 2:12:38 PM
Antimony	U	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Arsenic	U	0.01	0.0250		mg/L	1	7/26/2012 2:12:38 PM
Barium	0.183	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Beryllium	U	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Cadmium	U	0.005	0.0100		mg/L	1	7/26/2012 2:12:38 PM
Calcium	124	0.005	0.0250		mg/L	1	7/26/2012 2:12:38 PM
Chromium	U	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Cobalt	U	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Copper	U	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Iron	12.8	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Lead	U	0.005	0.0150		mg/L	1	7/26/2012 2:12:38 PM
Magnesium	18.5	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Manganese	1.73	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Nickel	U	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Potassium	10.2	0.05	0.100		mg/L	1	7/26/2012 2:12:38 PM
Selenium	U	0.01	0.0250		mg/L	1	7/26/2012 2:12:38 PM
Silver	U	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Sodium	21.8	0.005	0.0300		mg/L	1	7/26/2012 2:12:38 PM
Thallium	U	0.01	0.0150		mg/L	1	7/26/2012 2:12:38 PM
Vanadium	U	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM
Zinc	0.0432	0.005	0.0200		mg/L	1	7/26/2012 2:12:38 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-36686** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64500**
Client ID: **PBW** Batch ID: **36686** TestNo: **SW8081B SW3510C** Analysis Date: **7/27/2012** SeqNo: **912035**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.40									
4,4´-DDE	U	0.40									
4,4´-DDT	U	0.40									
Aldrin	U	0.40									
alpha-BHC	U	0.40									
beta-BHC	U	0.40									
Chlordane	U	1.0									
Chlorobenzilate	U	0.40									
DBCP	U	0.40									
delta-BHC	U	0.40									
Dieldrin	U	0.40									
Endosulfan I	U	0.40									
Endosulfan II	U	0.40									
Endosulfan sulfate	U	0.40									
Endrin	U	0.40									
Endrin aldehyde	U	0.40									
Endrin ketone	U	0.40									
gamma-BHC	U	0.40									
Heptachlor	U	0.40									
Heptachlor epoxide	U	0.40									
Hexachlorobenzene	U	0.40									
Hexachlorocyclopentadiene	U	0.40									
Methoxychlor	U	0.40									
Toxaphene	U	10									
Surr: DCB	0		0.5000		0	11	109				S
Surr: TCX	0		0.5000		0	14	110				S

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-36686** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64500**
Client ID: **LCSW** Batch ID: **36686** TestNo: **SW8081B** **SW3510C** Analysis Date: **7/27/2012** SeqNo: **912036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DBCP	0.14	0.050	0.1000	0	139	20	124				S
Hexachlorobenzene	0.11	0.050	0.1000	0	109	23	131				
Hexachlorocyclopentadiene	0.10	0.050	0.1000	0	103	22	138				
Toxaphene	0.88	0.50	1.000	0	88.1	30	130				
Surr: DCB	0.26		0.5000		52.4	11	109				
Surr: TCX	0.47		0.5000		93.2	14	110				

Sample ID: **LCSD-36686** SampType: **LCSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64500**
Client ID: **LCSS02** Batch ID: **36686** TestNo: **SW8081B** **SW3510C** Analysis Date: **7/27/2012** SeqNo: **912037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DBCP	0.089	0.050	0.1000	0	88.8	20	124	0.1388	44.0	20	R
Hexachlorobenzene	0.10	0.050	0.1000	0	99.8	23	131	0.1092	9.04	20	
Hexachlorocyclopentadiene	0.091	0.050	0.1000	0	90.7	22	138	0.1027	12.4	20	
Toxaphene	0.89	0.50	1.000	0	88.6	30	130	0.8807	0.602	20	
Surr: DCB	0.49		0.5000		97.5	11	109		0	0	
Surr: TCX	0.48		0.5000		96.2	14	110		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **LCS-36685** SampType: **LCS** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64487**
Client ID: **LCSW** Batch ID: **36685** TestNo: **SW8082A** **SW3510C** Analysis Date: **7/26/2012** SeqNo: **911891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	1.2	0.050	1.000	0	122	30	130				
Surr: DCB	0.24		0.5000		47.2	15	147				
Surr: TCX	0.43		0.5000		85.6	19	135				

Sample ID: **LCSD-36685** SampType: **LCSD** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64487**
Client ID: **LCSS02** Batch ID: **36685** TestNo: **SW8082A** **SW3510C** Analysis Date: **7/26/2012** SeqNo: **911892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	1.2	0.050	1.000	0	122	30	130	1.218	0.143	20	
Surr: DCB	0.65		0.5000		129	15	147		0	0	
Surr: TCX	0.46		0.5000		92.8	19	135		0	0	

Sample ID: **MB-36685** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64487**
Client ID: **PBW** Batch ID: **36685** TestNo: **SW8082A** **SW3510C** Analysis Date: **7/27/2012** SeqNo: **911893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	0.050									
Aroclor 1221	U	0.050									
Aroclor 1232	U	0.050									
Aroclor 1242	U	0.050									
Aroclor 1248	U	0.050									
Aroclor 1254	U	0.050									
Aroclor 1260	U	0.050									
Aroclor 1262	U	0.050									
Aroclor 1268	U	0.050									
Surr: DCB	0.67		0.5000		135	15	147				
Surr: TCX	0.49		0.5000		97.0	19	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **MB-36687**	SampType: **MBLK**	TestCode: **8270_w**	Units: **µg/L**	Prep Date: **7/26/2012**	RunNo: **64494**							
Client ID: **PBW**	Batch ID: **36687**	TestNo: **SW8270D**	**SW3510C**	Analysis Date: **7/27/2012**	SeqNo: **911976**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,2,4-Trichlorobenzene	U	5.0										
1,2-Dichlorobenzene	U	5.0										
1,3-Dichlorobenzene	U	5.0										
1,4-Dichlorobenzene	U	5.0										
2,3,4,6-Tetrachlorophenol	U	5.0										
2,4,5-Trichlorophenol	U	5.0										
2,4,6-Trichlorophenol	U	5.0										
2,4-Dichlorophenol	U	5.0										
2,4-Dimethylphenol	U	5.0										
2,4-Dinitrophenol	U	5.0										C
2,4-Dinitrotoluene	U	5.0										
2,6-Dinitrotoluene	U	5.0										
2-Chloronaphthalene	U	5.0										
2-Chlorophenol	U	5.0										
2-Methylnaphthalene	U	5.0										
2-Methylphenol	U	5.0										C
2-Nitroaniline	U	5.0										
2-Nitrophenol	U	10										
3,3'-Dichlorobenzidine	U	5.0										
3+4-Methylphenol	U	5.0										
3-Nitroaniline	U	5.0										
4,6-Dinitro-2-methylphenol	U	10										C
4-Bromophenyl phenyl ether	U	5.0										
4-Chloro-3-methylphenol	U	5.0										
4-Chloroaniline	U	5.0										
4-Chlorophenyl phenyl ether	U	5.0										
4-Nitroaniline	U	5.0										
4-Nitrophenol	U	10										
Acenaphthene	U	5.0										
Acenaphthylene	U	5.0										
Acetophenone	U	5.0										

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **MB-36687**	SampType: **MBLK**	TestCode: **8270_w**	Units: **µg/L**	Prep Date: **7/26/2012**	RunNo: **64494**
Client ID: **PBW**	Batch ID: **36687**	TestNo: **SW8270D**	**SW3510C**	Analysis Date: **7/27/2012**	SeqNo: **911976**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aniline	U	5.0									
Anthracene	U	5.0									
Atrazine	U	5.0									
Azobenzene	U	5.0									
Benzaldehyde	U	5.0									C
Benzidine	U	10									
Benzo(a)anthracene	U	5.0									
Benzo(a)pyrene	U	5.0									
Benzo(b)fluoranthene	U	5.0									
Benzo(g,h,i)perylene	U	5.0									
Benzo(k)fluoranthene	U	5.0									
Benzoic acid	U	10									
Benzyl alcohol	U	5.0									
Biphenyl	U	5.0									
Bis(2-chloroethoxy)methane	U	5.0									
Bis(2-chloroethyl)ether	U	5.0									
Bis(2-chloroisopropyl)ether	U	5.0									
Bis(2-ethylhexyl)phthalate	U	5.0									
Butyl benzyl phthalate	U	5.0									
Caprolactam	U	5.0									
Carbazole	U	5.0									
Chrysene	U	5.0									
Dibenzo(a,h)anthracene	U	5.0									
Dibenzofuran	U	5.0									
Diethyl phthalate	U	5.0									
Dimethyl phthalate	U	5.0									
Di-n-butyl phthalate	U	5.0									
Di-n-octyl phthalate	U	5.0									C
Fluoranthene	U	5.0									C
Fluorene	U	5.0									
Hexachlorobenzene	U	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **MB-36687** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64494**
Client ID: **PBW** Batch ID: **36687** TestNo: **SW8270D** **SW3510C** Analysis Date: **7/27/2012** SeqNo: **911976**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	U	5.0									
Hexachlorocyclopentadiene	U	10									
Hexachloroethane	U	5.0									
Indeno(1,2,3-c,d)pyrene	U	5.0									C
Isophorone	U	5.0									
Naphthalene	U	5.0									
Nitrobenzene	U	5.0									
N-Nitrosodimethylamine	U	5.0									
N-Nitrosodi-n-propylamine	U	5.0									
N-Nitrosodiphenylamine	U	5.0									
Parathion	U	5.0									
Pentachlorophenol	U	10									
Phenanthrene	U	5.0									
Phenol	U	5.0									
Pyrene	U	5.0									
Pyridine	U	5.0									
Surr: 2,4,6-Tribromophenol	36		40.00		89.0	20	148				
Surr: 2-Fluorobiphenyl	17		20.00		86.5	21	138				
Surr: 2-Fluorophenol	17		40.00		42.4	10	118				
Surr: 4-Terphenyl-d14	21		20.00		105	19	145				
Surr: Nitrobenzene-d5	17		20.00		86.9	15	149				
Surr: Phenol-d6	12		40.00		31.0	10	129				

Sample ID: **LCS-36687** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64494**
Client ID: **LCSW** Batch ID: **36687** TestNo: **SW8270D** **SW3510C** Analysis Date: **7/27/2012** SeqNo: **911977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	16	5.0	20.00	0	82.4	33	121				
1,2-Dichlorobenzene	16	5.0	20.00	0	80.2	50	117				
1,3-Dichlorobenzene	17	5.0	20.00	0	82.6	42	120				
1,4-Dichlorobenzene	16	5.0	20.00	0	78.9	45	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: LCS-36687	SampType: LCS	TestCode: 8270_w	Units: µg/L	Prep Date: 7/26/2012	RunNo: 64494
Client ID: LCSW	Batch ID: 36687	TestNo: SW8270D	SW3510C	Analysis Date: 7/27/2012	SeqNo: 911977

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,3,4,6-Tetrachlorophenol	16	5.0	20.00	0	78.9	60	121				
2,4,5-Trichlorophenol	19	5.0	20.00	0	94.5	55	120				
2,4,6-Trichlorophenol	20	5.0	20.00	0	97.6	53	128				
2,4-Dimethylphenol	15	5.0	20.00	0	77.0	48	118				
2,4-Dinitrophenol	19	5.0	20.00	0	95.4	32	118				C
2,4-Dinitrotoluene	14	5.0	20.00	0	69.9	46	135				
2,6-Dinitrotoluene	16	5.0	20.00	0	80.1	55	133				
2-Chloronaphthalene	18	5.0	20.00	0	90.3	46	121				
2-Chlorophenol	14	5.0	20.00	0	70.6	45	117				
2-Methylnaphthalene	16	5.0	20.00	0	79.0	47	125				
2-Methylphenol	21	5.0	20.00	0	104	33	125				C
2-Nitroaniline	15	5.0	20.00	0	77.4	42	124				
2-Nitrophenol	16	10	20.00	0	78.5	50	117				
3+4-Methylphenol	12	5.0	20.00	0	61.8	38	120				
3-Nitroaniline	18	5.0	20.00	0	88.0	50	124				
4,6-Dinitro-2-methylphenol	21	10	20.00	0	104	15	120				C
4-Bromophenyl phenyl ether	18	5.0	20.00	0	90.6	51	121				
4-Chloro-3-methylphenol	17	5.0	20.00	0	82.6	40	122				
4-Chloroaniline	10	5.0	20.00	0	51.5	20	120				
4-Chlorophenyl phenyl ether	17	5.0	20.00	0	87.5	56	125				
4-Nitroaniline	15	5.0	20.00	0	73.9	20	140				
4-Nitrophenol	7.1	10	20.00	0	35.7	10	105				J
Acenaphthene	16	5.0	20.00	0	82.2	34	138				
Acenaphthylene	17	5.0	20.00	0	85.4	45	133				
Aniline	10	5.0	20.00	0	51.7	25	120				
Anthracene	18	5.0	20.00	0	89.5	55	137				
Azobenzene	15	5.0	20.00	0	76.6	45	120				
Benzo(a)anthracene	19	5.0	20.00	0	93.9	57	133				
Benzo(a)pyrene	20	5.0	20.00	0	101	51	128				
Benzo(b)fluoranthene	21	5.0	20.00	0	107	54	132				
Benzo(g,h,i)perylene	20	5.0	20.00	0	101	38	143				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: LCS-36687	SampType: LCS	TestCode: 8270_w	Units: µg/L	Prep Date: 7/26/2012	RunNo: 64494
Client ID: LCSW	Batch ID: 36687	TestNo: SW8270D	SW3510C	Analysis Date: 7/27/2012	SeqNo: 911977

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	18	5.0	20.00	0	89.4	58	124				
Benzyl alcohol	12	5.0	20.00	0	61.8	20	120				
Bis(2-chloroethoxy)methane	13	5.0	20.00	0	64.5	41	120				
Bis(2-chloroethyl)ether	17	5.0	20.00	0	84.3	24	142				
Bis(2-chloroisopropyl)ether	17	5.0	20.00	0	83.5	45	129				
Bis(2-ethylhexyl)phthalate	19	5.0	20.00	0	97.0	49	140				
Butyl benzyl phthalate	23	5.0	20.00	0	115	52	136				
Carbazole	18	5.0	20.00	0	89.5	40	142				
Chrysene	19	5.0	20.00	0	97.0	50	134				
Dibenzo(a,h)anthracene	20	5.0	20.00	0	101	32	143				
Dibenzofuran	17	5.0	20.00	0	85.6	45	120				
Diethyl phthalate	15	5.0	20.00	0	75.6	50	136				
Dimethyl phthalate	16	5.0	20.00	0	79.1	59	129				
Di-n-butyl phthalate	16	5.0	20.00	0	81.3	39	131				
Di-n-octyl phthalate	24	5.0	20.00	0	118	56	124				C
Fluoranthene	18	5.0	20.00	0	90.7	54	134				C
Fluorene	17	5.0	20.00	0	83.4	52	130				
Hexachlorobenzene	16	5.0	20.00	0	78.5	55	141				
Hexachlorobutadiene	18	5.0	20.00	0	88.0	43	123				
Hexachlorocyclopentadiene	10	10	20.00	0	51.1	5	125				
Hexachloroethane	14	5.0	20.00	0	67.5	50	120				
Indeno(1,2,3-c,d)pyrene	24	5.0	20.00	0	122	53	145				C
Isophorone	15	5.0	20.00	0	75.0	61	120				
Naphthalene	17	5.0	20.00	0	84.1	49	120				
Nitrobenzene	17	5.0	20.00	0	84.4	60	120				
N-Nitrosodimethylamine	10	5.0	20.00	0	50.2	14	109				
N-Nitrosodi-n-propylamine	16	5.0	20.00	0	78.1	56	122				
N-Nitrosodiphenylamine	18	5.0	20.00	0	90.3	20	140				
Pentachlorophenol	14	10	20.00	0	68.8	15	145				
Phenanthrene	18	5.0	20.00	0	91.7	57	133				
Phenol	7.6	5.0	20.00	0	38.2	5	105				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **LCS-36687** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64494**
Client ID: **LCSW** Batch ID: **36687** TestNo: **SW8270D** **SW3510C** Analysis Date: **7/27/2012** SeqNo: **911977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	22	5.0	20.00	0	108	28	141				
Pyridine	6.9	5.0	20.00	0	34.5	20	110				
Surr: 2,4,6-Tribromophenol	35		20.00		177	20	148				S
Surr: 2-Fluorobiphenyl	17		20.00		84.7	21	138				
Surr: 2-Fluorophenol	18		40.00		45.3	10	118				
Surr: 4-Terphenyl-d14	21		20.00		107	19	145				
Surr: Nitrobenzene-d5	17		20.00		82.9	15	149				
Surr: Phenol-d6	14		40.00		35.2	10	129				

Sample ID: **LCSD-36687** SampType: **LCSD** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64494**
Client ID: **LCSS02** Batch ID: **36687** TestNo: **SW8270D** **SW3510C** Analysis Date: **7/27/2012** SeqNo: **911978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	20	5.0	20.00	0	97.6	33	121	16.48	16.8	20	
1,2-Dichlorobenzene	18	5.0	20.00	0	87.8	50	117	16.04	9.02	20	
1,3-Dichlorobenzene	16	5.0	20.00	0	82.0	42	120	16.51	0.704	20	
1,4-Dichlorobenzene	17	5.0	20.00	0	84.2	45	120	15.79	6.46	20	
2,3,4,6-Tetrachlorophenol	17	5.0	20.00	0	83.9	60	121	15.77	6.20	20	
2,4,5-Trichlorophenol	16	5.0	20.00	0	82.2	55	120	18.90	14.0	20	
2,4,6-Trichlorophenol	18	5.0	20.00	0	91.0	53	128	19.53	7.00	20	
2,4-Dimethylphenol	17	5.0	20.00	0	85.2	48	118	15.40	10.1	20	
2,4-Dinitrophenol	19	5.0	20.00	0	94.9	32	118	19.08	0.548	20	C
2,4-Dinitrotoluene	17	5.0	20.00	0	86.0	46	135	13.99	20.6	20	R
2,6-Dinitrotoluene	17	5.0	20.00	0	87.0	55	133	16.01	8.29	20	
2-Chloronaphthalene	17	5.0	20.00	0	86.1	46	121	18.06	4.76	20	
2-Chlorophenol	14	5.0	20.00	0	68.6	45	117	14.12	2.91	20	
2-Methylnaphthalene	20	5.0	20.00	0	97.6	47	125	15.80	21.1	20	R
2-Methylphenol	18	5.0	20.00	0	88.5	33	125	20.71	15.7	20	C
2-Nitroaniline	16	5.0	20.00	0	80.4	42	124	15.49	3.74	20	
2-Nitrophenol	18	10	20.00	0	91.9	50	117	15.71	15.7	20	
3+4-Methylphenol	13	5.0	20.00	0	66.6	38	120	12.35	7.54	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: LCSD-36687	SampType: LCSD	TestCode: 8270_w	Units: µg/L	Prep Date: 7/26/2012	RunNo: 64494
Client ID: LCSS02	Batch ID: 36687	TestNo: SW8270D	SW3510C	Analysis Date: 7/27/2012	SeqNo: 911978

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3-Nitroaniline	17	5.0	20.00	0	84.2	50	124	17.59	4.31	20	
4,6-Dinitro-2-methylphenol	22	10	20.00	0	108	15	120	20.88	3.05	20	C
4-Bromophenyl phenyl ether	22	5.0	20.00	0	110	51	121	18.12	19.4	20	
4-Chloro-3-methylphenol	20	5.0	20.00	0	99.4	40	122	16.52	18.5	20	
4-Chloroaniline	13	5.0	20.00	0	64.2	20	120	10.30	21.9	20	R
4-Chlorophenyl phenyl ether	17	5.0	20.00	0	83.7	35	137	17.50	4.42	20	
4-Nitroaniline	15	5.0	20.00	0	74.2	20	140	14.79	0.400	20	
4-Nitrophenol	6.4	10	20.00	0	32.1	10	105	7.137	0	20	J
Acenaphthene	17	5.0	20.00	0	86.3	34	138	16.44	4.88	20	
Acenaphthylene	18	5.0	20.00	0	90.5	45	133	17.08	5.79	20	
Aniline	9.9	5.0	20.00	0	49.4	25	120	10.34	4.61	20	
Anthracene	19	5.0	20.00	0	95.7	55	137	17.89	6.77	20	
Azobenzene	16	5.0	20.00	0	78.7	45	120	15.32	2.67	20	
Benzo(a)anthracene	20	5.0	20.00	0	97.8	57	133	18.78	4.11	20	
Benzo(a)pyrene	18	5.0	20.00	0	91.9	51	128	20.21	9.46	20	
Benzo(b)fluoranthene	19	5.0	20.00	0	96.7	54	132	21.33	9.79	20	
Benzo(g,h,i)perylene	18	5.0	20.00	0	91.4	38	143	20.26	10.3	20	
Benzo(k)fluoranthene	19	5.0	20.00	0	94.0	58	124	17.87	5.10	20	
Benzyl alcohol	13	5.0	20.00	0	66.6	20	120	12.35	7.54	20	
Bis(2-chloroethoxy)methane	15	5.0	20.00	0	77.2	41	120	12.90	17.9	20	
Bis(2-chloroethyl)ether	18	5.0	20.00	0	92.3	24	142	16.86	9.05	20	
Bis(2-chloroisopropyl)ether	18	5.0	20.00	0	88.3	45	129	16.70	5.53	20	
Bis(2-ethylhexyl)phthalate	20	5.0	20.00	0	102	49	140	19.39	4.80	20	
Butyl benzyl phthalate	24	5.0	20.00	0	118	52	136	23.04	2.35	20	
Carbazole	19	5.0	20.00	0	95.5	40	142	17.90	6.53	20	
Chrysene	20	5.0	20.00	0	99.8	50	134	19.40	2.77	20	
Dibenzo(a,h)anthracene	18	5.0	20.00	0	92.4	32	143	20.16	8.70	20	
Dibenzofuran	18	5.0	20.00	0	89.5	45	120	17.12	4.46	20	
Diethyl phthalate	16	5.0	20.00	0	81.6	50	136	15.12	7.67	20	
Dimethyl phthalate	17	5.0	20.00	0	86.1	59	129	15.82	8.52	20	
Di-n-butyl phthalate	18	5.0	20.00	0	88.6	39	131	16.25	8.61	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **LCSD-36687** SampType: **LCSD** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/26/2012** RunNo: **64494**
Client ID: **LCSS02** Batch ID: **36687** TestNo: **SW8270D SW3510C** Analysis Date: **7/27/2012** SeqNo: **911978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	22	5.0	20.00	0	108	56	124	23.52	8.25	20	C
Fluoranthene	18	5.0	20.00	0	89.0	54	134	18.14	1.84	20	C
Fluorene	17	5.0	20.00	0	85.6	52	130	16.67	2.69	20	
Hexachlorobenzene	18	5.0	20.00	0	89.5	55	141	15.70	13.1	20	
Hexachlorobutadiene	20	5.0	20.00	0	99.0	43	123	17.60	11.7	20	
Hexachlorocyclopentadiene	8.7	10	20.00	0	43.5	5	125	10.22	0	20	J
Hexachloroethane	15	5.0	20.00	0	73.6	50	120	13.50	8.70	20	
Indeno(1,2,3-c,d)pyrene	23	5.0	20.00	0	114	53	145	24.41	6.44	20	C
Isophorone	19	5.0	20.00	0	96.4	61	120	14.99	25.0	20	R
Naphthalene	20	5.0	20.00	0	97.8	49	120	16.83	15.0	20	
Nitrobenzene	18	5.0	20.00	0	91.3	60	120	16.87	7.91	20	
N-Nitrosodimethylamine	11	5.0	20.00	0	54.4	14	109	10.04	8.07	20	
N-Nitrosodi-n-propylamine	17	5.0	20.00	0	86.4	56	122	15.63	10.1	20	
N-Nitrosodiphenylamine	20	5.0	20.00	0	98.0	20	140	18.05	8.27	20	
Pentachlorophenol	17	10	20.00	0	87.0	15	145	13.76	23.3	20	R
Phenanthrene	20	5.0	20.00	0	100	57	133	18.35	8.61	20	
Phenol	6.8	5.0	20.00	0	34.0	5	105	7.639	11.6	20	
Pyrene	20	5.0	20.00	0	98.1	28	141	21.57	9.52	20	
Pyridine	6.9	5.0	20.00	0	34.7	20	110	6.899	0.697	20	
Surr: 2,4,6-Tribromophenol	37		20.00		187	20	148		0	0	S
Surr: 2-Fluorobiphenyl	16		20.00		79.6	21	138		0	0	
Surr: 2-Fluorophenol	18		40.00		44.5	10	118		0	0	
Surr: 4-Terphenyl-d14	22		20.00		111	19	145		0	0	
Surr: Nitrobenzene-d5	18		20.00		89.8	15	149		0	0	
Surr: Phenol-d6	14		40.00		34.8	10	129		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **V624LCS-072512aH** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/25/2012** RunNo: **64499**
Client ID: **LCSW** Batch ID: **R64499** TestNo: **SW8260C** Analysis Date: **7/25/2012** SeqNo: **912027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	42	1.0	50.00	0	83.6	38	136				
1,1,2,2-Tetrachloroethane	60	1.0	50.00	0	120	50	124				
1,1,2-Trichloroethane	40	1.0	50.00	0	80.3	52	128				
1,1-Dichloroethane	43	1.0	50.00	0	86.2	55	123				
1,1-Dichloroethene	40	1.0	50.00	0	80.2	48	128				
1,2-Dichlorobenzene	51	1.0	50.00	0	101	59	123				
1,2-Dichloroethane	41	1.0	50.00	0	82.5	52	129				
1,2-Dichloropropane	42	1.0	50.00	0	84.6	58	124				
1,3-Dichlorobenzene	53	1.0	50.00	0	106	51	124				
1,4-Dichlorobenzene	49	1.0	50.00	0	98.1	54	128				
2-Chloroethyl vinyl ether	18	1.0	50.00	0	35.9	25	141				C
Benzene	39	1.0	50.00	0	78.1	53	131				
Bromodichloromethane	39	1.0	50.00	0	78.9	54	126				
Bromoform	56	1.0	50.00	0	111	53	127				
Bromomethane	38	1.0	50.00	0	75.4	42	150				
Carbon tetrachloride	43	1.0	50.00	0	86.8	46	135				
Chlorobenzene	46	1.0	50.00	0	91.4	53	121				
Chloroethane	33	1.0	50.00	0	66.4	40	145				
Chloroform	43	1.0	50.00	0	86.7	41	135				
Chloromethane	39	1.0	50.00	0	78.7	32	149				C
cis-1,3-Dichloropropene	35	1.0	50.00	0	69.9	46	128				
Dibromochloromethane	40	1.0	50.00	0	80.2	42	124				
Ethylbenzene	51	1.0	50.00	0	102	52	135				
Methylene chloride	42	1.0	50.00	0	83.3	35	137				B
Tetrachloroethene	39	2.0	50.00	0	78.8	26	126				
Toluene	41	1.0	50.00	0	81.5	51	130				
trans-1,2-Dichloroethene	40	1.0	50.00	0	79.2	49	125				
trans-1,3-Dichloropropene	35	1.0	50.00	0	69.9	43	125				
Trichloroethene	43	1.0	50.00	0	85.6	47	127				
Trichlorofluoromethane	43	1.0	50.00	0	86.7	50	152				
Vinyl chloride	42	1.0	50.00	0	84.6	50	149				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **V624LCS-072512aH** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/25/2012** RunNo: **64499**
Client ID: **LCSW** Batch ID: **R64499** TestNo: **SW8260C** Analysis Date: **7/25/2012** SeqNo: **912027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	44		50.00		88.2	63	123				
Surr: Dibromofluoromethane	48		50.00		96.6	68	124				
Surr: Toluene-d8	47		50.00		93.2	67	125				

Sample ID: **VBLK-072512aHW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/25/2012** RunNo: **64499**
Client ID: **PBW** Batch ID: **R64499** TestNo: **SW8260C** Analysis Date: **7/25/2012** SeqNo: **912028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
1,4-Dioxane	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: **Full8260_W**

Sample ID: **VBLK-072512aHW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/25/2012** RunNo: **64499**
Client ID: **PBW** Batch ID: **R64499** TestNo: **SW8260C** Analysis Date: **7/25/2012** SeqNo: **912028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	U	1.0									
2-Butanone	U	2.5									C
2-Chloroethyl vinyl ether	U	1.0									C
2-Chlorotoluene	U	1.0									
2-Hexanone	U	2.5									
2-Propanol	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	2.5									
Acetone	U	5.0									C
Acrolein	U	10									C
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									C
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-072512aHW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/25/2012** RunNo: **64499**
Client ID: **PBW** Batch ID: **R64499** TestNo: **SW8260C** Analysis Date: **7/25/2012** SeqNo: **912028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	U	5.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	2.6	1.0									
n-Amyl acetate	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	2.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									C

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-072512aHW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/25/2012** RunNo: **64499**
Client ID: **PBW** Batch ID: **R64499** TestNo: **SW8260C** Analysis Date: **7/25/2012** SeqNo: **912028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	U	1.0									
Surr: 4-Bromofluorobenzene	42		50.00		84.6	63	123				
Surr: Dibromofluoromethane	50		50.00		100	68	124				
Surr: Toluene-d8	43		50.00		86.8	67	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: HG_D

Sample ID: **MB073012D** SampType: **MBLK** TestCode: **HG_D** Units: **mg/L** Prep Date: RunNo: **64504**
Client ID: **PBW** Batch ID: **36644** TestNo: **E245.1** **SW3005A** Analysis Date: **7/30/2012** SeqNo: **912193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	U	0.000200									

Sample ID: **LCS073012D** SampType: **LCS** TestCode: **HG_D** Units: **mg/L** Prep Date: RunNo: **64504**
Client ID: **LCSW** Batch ID: **36644** TestNo: **E245.1** **SW3005A** Analysis Date: **7/30/2012** SeqNo: **912194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00394	0.000200	0.004000	0	98.5	76	122				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: HG_W

Sample ID: **MBW073012A** SampType: **MBLK** TestCode: **HG_W** Units: **mg/L** Prep Date: RunNo: **64504**
Client ID: **PBW** Batch ID: **R64504** TestNo: **E245.1** Analysis Date: **7/30/2012** SeqNo: **912230**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	U	0.000200									

Sample ID: **LCSW073012A** SampType: **LCS** TestCode: **HG_W** Units: **mg/L** Prep Date: RunNo: **64504**
Client ID: **LCSW** Batch ID: **R64504** TestNo: **E245.1** Analysis Date: **7/30/2012** SeqNo: **912231**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00440	0.000200	0.004000	0	110	76	122				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_D

Sample ID: **MBW072612D** SampType: **MBLK** TestCode: **ICP_TAL_D** Units: **mg/L** Prep Date: **7/26/2012** RunNo: **64472**
Client ID: **PBW** Batch ID: **36691** TestNo: **E200.7** **SW3005A** Analysis Date: **7/26/2012** SeqNo: **911542**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0200									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0250									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.100									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Sample ID: **LCSW072612D** SampType: **LCS** TestCode: **ICP_TAL_D** Units: **mg/L** Prep Date: **7/26/2012** RunNo: **64472**
Client ID: **LCSW** Batch ID: **36691** TestNo: **E200.7** **SW3005A** Analysis Date: **7/26/2012** SeqNo: **911543**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.98	0.0200	2.000	0	98.9	85	115				
Antimony	2.03	0.0200	2.000	0	101	85	115				
Arsenic	2.05	0.0250	2.000	0	102	85	115				
Barium	2.04	0.0200	2.000	0	102	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_D

Sample ID: **LCSW072612D** SampType: **LCS** TestCode: **ICP_TAL_D** Units: **mg/L** Prep Date: **7/26/2012** RunNo: **64472**
Client ID: **LCSW** Batch ID: **36691** TestNo: **E200.7** **SW3005A** Analysis Date: **7/26/2012** SeqNo: **911543**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	2.01	0.0200	2.000	0	101	85	115				
Cadmium	2.05	0.0100	2.000	0	103	85	115				
Calcium	2.01	0.0250	2.000	0	100	85	115				
Chromium	2.06	0.0200	2.000	0	103	85	115				
Cobalt	2.04	0.0200	2.000	0	102	85	115				
Copper	2.01	0.0200	2.000	0	100	85	115				
Iron	2.05	0.0200	2.000	0	102	85	115				
Lead	2.04	0.0150	2.000	0	102	85	115				
Magnesium	1.98	0.0200	2.000	0	99.2	85	115				
Manganese	2.02	0.0200	2.000	0	101	85	115				
Nickel	2.05	0.0200	2.000	0	102	85	115				
Potassium	19.8	0.100	20.00	0	99.0	85	115				
Selenium	2.02	0.0250	2.000	0	101	85	115				
Silver	1.99	0.0200	2.000	0	99.4	85	115				
Sodium	2.01	0.0300	2.000	0	101	85	115				
Thallium	2.00	0.0150	2.000	0	100	85	115				
Vanadium	2.02	0.0200	2.000	0	101	85	115				
Zinc	1.98	0.0200	2.000	0	99.2	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_W

Sample ID: **MBW072612A** SampType: **MBLK** TestCode: **ICP_TAL_W** Units: **mg/L** Prep Date: **7/26/2012** RunNo: **64473**
Client ID: **PBW** Batch ID: **36689** TestNo: **E200.7** **SW3010A** Analysis Date: **7/26/2012** SeqNo: **911583**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0200									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0250									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.100									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Sample ID: **LCSW072612A** SampType: **LCS** TestCode: **ICP_TAL_W** Units: **mg/L** Prep Date: **7/26/2012** RunNo: **64473**
Client ID: **LCSW** Batch ID: **36689** TestNo: **E200.7** **SW3010A** Analysis Date: **7/26/2012** SeqNo: **911584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.98	0.0200	2.000	0	99.0	85	115				
Antimony	2.05	0.0200	2.000	0	102	85	115				
Arsenic	2.07	0.0250	2.000	0	104	85	115				
Barium	2.05	0.0200	2.000	0	103	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_W

Sample ID: **LCSW072612A** SampType: **LCS** TestCode: **ICP_TAL_W** Units: **mg/L** Prep Date: **7/26/2012** RunNo: **64473**
Client ID: **LCSW** Batch ID: **36689** TestNo: **E200.7** **SW3010A** Analysis Date: **7/26/2012** SeqNo: **911584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	2.01	0.0200	2.000	0	101	85	115				
Cadmium	2.06	0.0100	2.000	0	103	85	115				
Calcium	2.01	0.0250	2.000	0	100	85	115				
Chromium	2.07	0.0200	2.000	0	104	85	115				
Cobalt	2.05	0.0200	2.000	0	103	85	115				
Copper	2.01	0.0200	2.000	0	101	85	115				
Iron	2.06	0.0200	2.000	0	103	85	115				
Lead	2.04	0.0150	2.000	0	102	85	115				
Magnesium	1.99	0.0200	2.000	0	99.5	85	115				
Manganese	2.02	0.0200	2.000	0	101	85	115				
Nickel	2.04	0.0200	2.000	0	102	85	115				
Potassium	19.8	0.100	20.00	0	99.0	85	115				
Selenium	2.01	0.0250	2.000	0	101	85	115				
Silver	2.00	0.0200	2.000	0	100	85	115				
Sodium	2.01	0.0300	2.000	0	101	85	115				
Thallium	2.01	0.0150	2.000	0	100	85	115				
Vanadium	2.03	0.0200	2.000	0	101	85	115				
Zinc	1.98	0.0200	2.000	0	98.9	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

American Analytical Laboratories, LLC.

Date: *31-Jul-12*

CLIENT: J.R. Holzmacher P.E. LLC
Work Order: 1207206
Project: 105-04 Flatlands Ave., Brooklyn

ANALYTICAL QC SUMMARY REPORT

TestCode: HG_D

Sample ID: **1207206-06F-MS** SampType: **MS** TestCode: **HG_D** Units: **mg/L** Prep Date: RunNo: **64504**
Client ID: **MW-4** Batch ID: **36644** TestNo: **E245.1** **SW3005A** Analysis Date: **7/30/2012** SeqNo: **912201**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00409	0.000200	0.004000	0	102	75	125				

Sample ID: **1207026-06F-MSD** SampType: **MSD** TestCode: **HG_D** Units: **mg/L** Prep Date: RunNo: **64504**
Client ID: **ZZZZZZ** Batch ID: **36644** TestNo: **E245.1** **SW3005A** Analysis Date: **7/30/2012** SeqNo: **912202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00416	0.000200	0.004000	0	104	75	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed