

**102-14 /102-16 LIBERTY AVENUE**

**QUEENS, NEW YORK**

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# **Remedial Investigation Report**

**OER Project Number 14EH-N350Q**

**Prepared for:**

Joseph Yunason

Liberty Square in Ozone Park, LLC

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March/2014

# REMEDIAL INVESTIGATION REPORT

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## LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
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 DeMartinis, 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 Liberty Avenue Site, (OER Project Number 14EH-N350Q). 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  
Qualified Environmental Professional

3/14/2014  
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 102-14 and 102-16 Liberty Avenue in the Ozone Park section of Queens, New York and is identified as Block 9523 and Lots 4 & 5 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 9,693-square feet and is bounded by Liberty Avenue and an elevated subway, with a vacant building located at 77-15 Liberty Avenue to the north, residential buildings to the south, 103<sup>rd</sup> Street, with a mixed commercial-residential use building located at 103-02 Liberty Avenue to the east, and a residential building to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is a vacant lot surrounded by a chain link fence, with an entrance on Liberty Avenue; and a ten inch high by two feet wide concrete wall on the eastern, southern, and western boundaries of the property. The only other features at the site are a sewer clean-out located in the most northwestern corner of the site, and a drain located about four feet to the southeast of the sewer clean-out. Both of these structures are located on Lot 4 of the property.

## **Summary of Proposed Redevelopment Plan**

The proposed future use of the Site will consist of two 1-story retail buildings, totaling 9,690 square feet (sf) with a common 1,500 sf partial cellar for use as a meter room. Lot 4 is approximately 4,155 sf and Lot 5 is approximately 5,538 sf. The proposed building on Lot 4 will consist of two commercial retail stores consisting of approximately 2,077 sf. The proposed building on Lot 5 will consist of four commercial retail stores consisting of approximately 1,375 sf each. The building will be constructed together and encompass the entire footprint of the site, while abutting each other along the Lot line. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R4 - General Residence District, with commercial overlay C2-2 - Local Service District. The proposed use is consistent with existing zoning for the property.

To construct the partial cellar, approximately 600 cubic yards (cy) of soil will be excavated. Of the 600 cy of soil that will be excavated, approximately 556 cy of soil will be excavated from the proposed cellar area. Groundwater is not anticipated to be encountered during excavation at the site since the maximum depth of cellar footings is 14 feet below grade (ft bg), and groundwater is around 25 ft bg. Other excavations to occur on site will be for foundation footings.

### **Summary of Past Uses of Site and Areas of Concern**

Using the Historical Sanborn Map report the property history is:

1901-1988 Vacant lot.

1990-2006 Used auto sales

EDR Directory Abstract - There is one listing for the property:

1991 – Anthony’s Auto Sales Residential & commercial.

Mr. Philip Hoffken Jr. and Ms. Heather Sonnenberg of JRH were 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.

### **Summary of the Work Performed under the Remedial Investigation**

Liberty Square in Ozone Park, LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Drilled seven soil borings across the entire project Site, and collected fourteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.
5. Investigated a possible drywell located in the northwest corner of the property.

### **Summary of Environmental Findings**

1. Elevation of the property ranges from 32 to 37 feet.
2. Depth to groundwater ranges from 25 to 27 feet at the Site.
3. Groundwater flow is generally from west-southwest to east-northeast 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 one to three feet of a silty clay with fine sand underlain by native mostly fine grained to coarse grained sand.
6. Soil samples collected during remedial investigation were compared to the 6NYCRR Part 375-6.8 Track 1 (Unrestricted Use SCOs) and Track 2 (Restricted Commercial SCOs). Soil/fill samples indicated no VOCs, SVOCs, pesticides or PCBs detected above Track 1 Unrestricted Use SCOs. Three metals including lead (max. of 194 ppm), mercury (at 0.21 ppm), and zinc (at 144 ppm) exceeded Unrestricted Use SCOs in two shallow soil samples. No metals exceeded Track 2 Restricted Commercial Use SCOs. Overall, soil chemistry is unremarkable and does not indicate any historic fill.
7. Groundwater samples collected during the RI indicated no VOCs, SVOCs, or PCBs present in the groundwater at concentrations exceeding the NYSDEC 6 NYCRR Part 703.5 Groundwater Quality Standards (GQS). Trace concentrations of VOCs (including acetone, chloroform and methylene chloride), well below their respective GQS were detected in groundwater samples. Dieldrin was detected just above the GQS in one monitoring wells sample (laboratory estimated concentration of 0.013 ug/l). Several metals were identified in groundwater, but only dissolved manganese and sodium exceeded their respective GQS.
8. Soil vapor samples collected during the RI detected petroleum related and chlorinated VOCs at low concentrations. Concentrations of petroleum-related VOCs (BTEX) ranged from 40  $\mu\text{g}/\text{m}^3$  to 216  $\mu\text{g}/\text{m}^3$ . Overall the highest reported concentrations were for acetone (maximum of 205  $\mu\text{g}/\text{m}^3$ ). Tetrachloroethylene (PCE) was identified in all four soil vapor samples at a maximum concentration of 35  $\mu\text{g}/\text{m}^3$ . Trichloroethylene (TCE), TCA and carbon tetrachloride were not detected in soil vapor. The PCE concentrations are well below the monitoring level ranges established within the State DOH soil vapor guidance matrix.

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

Liberty Square in Ozone Park, LLC has begun to investigate and remediate a 0.22-acre site located at 102-14 and 102-16 Liberty Avenue in Ozone Park section of Queens, New York. Commercial use is proposed for the property. The RI work was performed between January 29 and February 4, 2014. 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 102-14 and 102-16 Liberty Avenue in the Ozone Park section of Queens, New York and is identified as Block 9523 and Lots 4 & 5 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 9,693-square feet and is bounded by Liberty Avenue and an elevated subway, with a vacant building located at 77-15 Liberty Avenue to the north, residential buildings to the south, 103<sup>rd</sup> Street, with a mixed commercial-residential use building located at 103-02 Liberty Avenue to the east, and a residential building to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is a vacant lot surrounded by a chain link fence, with an entrance on Liberty Avenue; and a ten inch high by two feet wide concrete wall on the eastern, southern, and western boundaries of the property. The only other features at the site are a sewer clean-out located in the most northwestern corner of the site, and a drain, which leads off the property, located about four feet to the southeast of the sewer clean-out. Both of these structures are located on Lot 4 of the property.

### 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of two 1-story retail buildings, totaling 9,690 square feet (sf) with a common 1,500 sf partial cellar for use as a meter room. Lot 4 is approximately 4,155 sf and Lot 5 is approximately 5,538 sf. The proposed building on Lot 4 will consist of two commercial retail stores consisting of approximately 2,077 sf. The proposed building on Lot 5 will consist of four commercial retail stores consisting of approximately 1,375 sf each. The building will be constructed together and encompass the entire footprint of the site, while abutting each other along the Lot line. Layout of the proposed site development is

presented in Figure 3. The current zoning designation is R4 - General Residence District, with commercial overlay C2-2 - Local Service District. The proposed use is consistent with existing zoning for the property.

To construct the partial cellar, approximately 600 cubic yards (cy) of soil will be excavated. Of the 600 cy of soil that will be excavated, approximately 556 cy of soil will be excavated from the proposed cellar area. Groundwater is not anticipated to be encountered during excavation at the site since the maximum depth of cellar footings is 14 feet below grade (ft bg), and groundwater is around 25 ft bg. Other excavations to occur on site will be for foundation footings.

### **1.3 Description of Surrounding Property**

Directly north of the subject property across Liberty Avenue is 77-15 Liberty Avenue, Flatlands Avenue, a 3-story multi-family walk up apartment building, with a vacant commercial office on the 1<sup>st</sup> floor; to the west, adjacent to the property is 102-08 Liberty Avenue, a 3 story residential house; to the south, adjacent to the property is 104-14 104<sup>th</sup> Street, a 3 story residential house; and to the east, beyond 103<sup>rd</sup> Street is 103-02 Liberty Avenue, a 3-story multi-family walk up apartment building with a convenience store on the first floor.

To the northwest on Liberty Avenue within 0.03 miles from 102-14 Liberty Avenue is Police Officer Nicholas Demutiis Park. To the southwest on Rockaway Boulevard within 0.05 miles from 102-14 Liberty Avenue is the Calvary Assembly of God. To the south, on Rockaway Boulevard within 0.11 miles from 102-14 is the John Adams High School.

Figure 2 shows the surrounding land usage.

## **2.0 SITE HISTORY**

### **2.1 Past Uses and Ownership**

Using the Historical Sanborn Map report the property history is:

1901-1988 Vacant lot.

1990-2006 Used auto sales

EDR Directory Abstract - There is one listing for the property:

1991 – Anthony’s Auto Sales Residential & commercial.

### **2.2 Previous Investigations**

A Phase I ESA was prepared by Hydro Tech Environmental Corporation on January 22, 2013 (Appendix A). There are no known subsurface investigation reports for the site.

### **2.3 Site Inspection**

Mr. Philip Hoffken Jr. and Ms. Heather Sonnenberg of JRH were 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 Phase 1 ESA and Phase 2 site inspection did not identify any Areas of Concern located on the property. The Phase 1 ESA is presented in Appendix A.

## **3.0 PROJECT MANAGEMENT**

### **3.1 Project Organization**

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is James M. DeMartinis with assistance from Philip Hoffken Jr., Project Manager 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**

Liberty Square in Ozone Park, LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Drilled seven soil borings across the entire project Site, and collected fourteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.
5. Investigated a possible drywell located in the northwest corner of the property.

### **4.1 Borings and Monitoring Wells**

#### **Drilling and Soil Logging**

All borings were advanced 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.

Seven soil borings were advanced through the existing asphalt layer and within the proposed footprint of the new building. Each boring was advanced to a different depth with the purpose of collecting soil samples for analysis, from the soil depths where the building structural components are to be constructed. All borings were continuously screened for visual, olfactory and with a photoionization detector (PID) for signs of contamination.

Boring logs were prepared by Philip Hoffken Jr. and attached in Appendix B; a map showing the location of soil borings and monitor wells is shown in Figure 4; and table 12 summarizes their construction details.

### **Groundwater Monitoring Well Construction**

Under JRH oversight, three monitoring wells were installed in borings drilled at the locations shown on Figure 4. Monitoring well MW-1 was installed in the area of the future cellar. Wells MW-2 and MW-3 were installed on the each southern corner of the property to determine groundwater flow.

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 capped and finished sticking up approximately six to twelve inches above grade.

### **Survey**

The locations of the soil borings and monitoring wells were chosen in accordance with the Phase II Work Plan approved by NYC OER. No specific AOCs were identified in the property.

### **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 February 4, 2014, presented in Table 13, and a groundwater flow elevation contour

## **4.2 Sample Collection and Chemical Analysis**

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 B.

Fourteen 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 through 5. Figure 4 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

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).

## **Groundwater Sampling**

The monitoring wells were purged and sampled by an experienced sampling crew on February 4, 2014. JRH collected groundwater samples from the monitoring wells using conventional 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.

Three groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Tables 6 through 10. Sampling logs with information on purging and sampling of groundwater monitor wells are included in Appendix C. Figure 4 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

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.

### **Soil Vapor Sampling**

The Geoprobe™ was used to drill four additional borings to install temporary sub-slab vapor sampling points (Figure 4). The Geoprobe™ advanced a Macrocore™ to; ten feet at VP-1 (below the future cellar); and five feet at VP-2, VP-3, and VP-4 (below future concrete slab).

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 4. 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*.

## Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Lori Beyer
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were American Analytical Laboratories and Chemtech.
Chemical Analytical Methods	<p>Soil analytical methods:</p> <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> </ul> <p>Groundwater analytical methods:</p> <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> </ul> <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none"> <li>• VOCs by TO-15 VOC parameters..</li> </ul>

## 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 D.

## **5.0 ENVIRONMENTAL EVALUATION**

### **5.1 Geological and Hydrogeological Conditions**

#### **Stratigraphy**

The site is underlain by up to three feet of silty clay with fine sand. Below the silty clay layer are native geologic (sandy) deposits indicative of a beach and tidal flat environment. The deepest boring was to 30 ft bg.

#### **Hydrogeology**

The average depth to groundwater is 26' below grade and the range in depth is 25' to 27'. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 5. Groundwater flow is from west-southwest to east-northeast.

### **5.2 Soil Chemistry**

Tables 1 through 5 summarize the analytical data for the fourteen soil samples collected. The laboratory report is included in Appendix D. Briefly; soil samples collected during the remedial investigation were compared to the 6NYCRR Part 375-6.8 Track 1 (Unrestricted Use SCOs) and Track 2 (Restricted Residential SCOs). Soil/fill samples showed no VOCs, SVOCs, pesticides or PCBs detected above Track 1 Unrestricted Use SCOs. Three metals including lead (max. of 194 ppm), mercury (max. of 0.21 ppm), and zinc (max. of 144 ppm) exceeded Unrestricted Use SCOs in two shallow soil samples. No metals exceeded Track 2 Restricted Residential Use SCOs. Overall, the soil findings were unremarkable

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 Table 1 through 5.

Figure 6 shows the location and posts the values for soil samples that exceed the NYSDEC Track 1 UUSCOs.

### **5.3 Groundwater Chemistry**

Tables 6 through 10 summarize the analytical data for the four groundwater samples collected. The laboratory report is included in Appendix D. Briefly; groundwater samples collected during the remedial investigation were compared to the New York State 6 NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Groundwater results showed no VOCs, SVOCs or PCBc detected above GQS in any of three samples. Traces of two VOCs (acetone and

chloroform) were detected, well below their GQS. One pesticide, Dieldrin (0.013 ppb in MW-2) was detected about its NYS Groundwater Standard of 0.004 ppb. Several dissolved metals were identified in groundwater but only manganese and sodium exceeded their respective GQS.

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 through 10. Exceedences of applicable groundwater standards are shown.

Figure 6 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

#### **5.4 Soil Vapor Chemistry**

Soil vapor detections were very low in all four samples. Low levels of petroleum related compounds were detected in soil vapor samples. Acetone was detected in three of the four soil vapor samples collected, with a maximum concentration of 205 ug/m<sup>3</sup> in VP-1.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 11.

Figure 6 shows the location and posts the values for soil vapor samples with detected concentrations.

#### **5.5 Prior Activity**

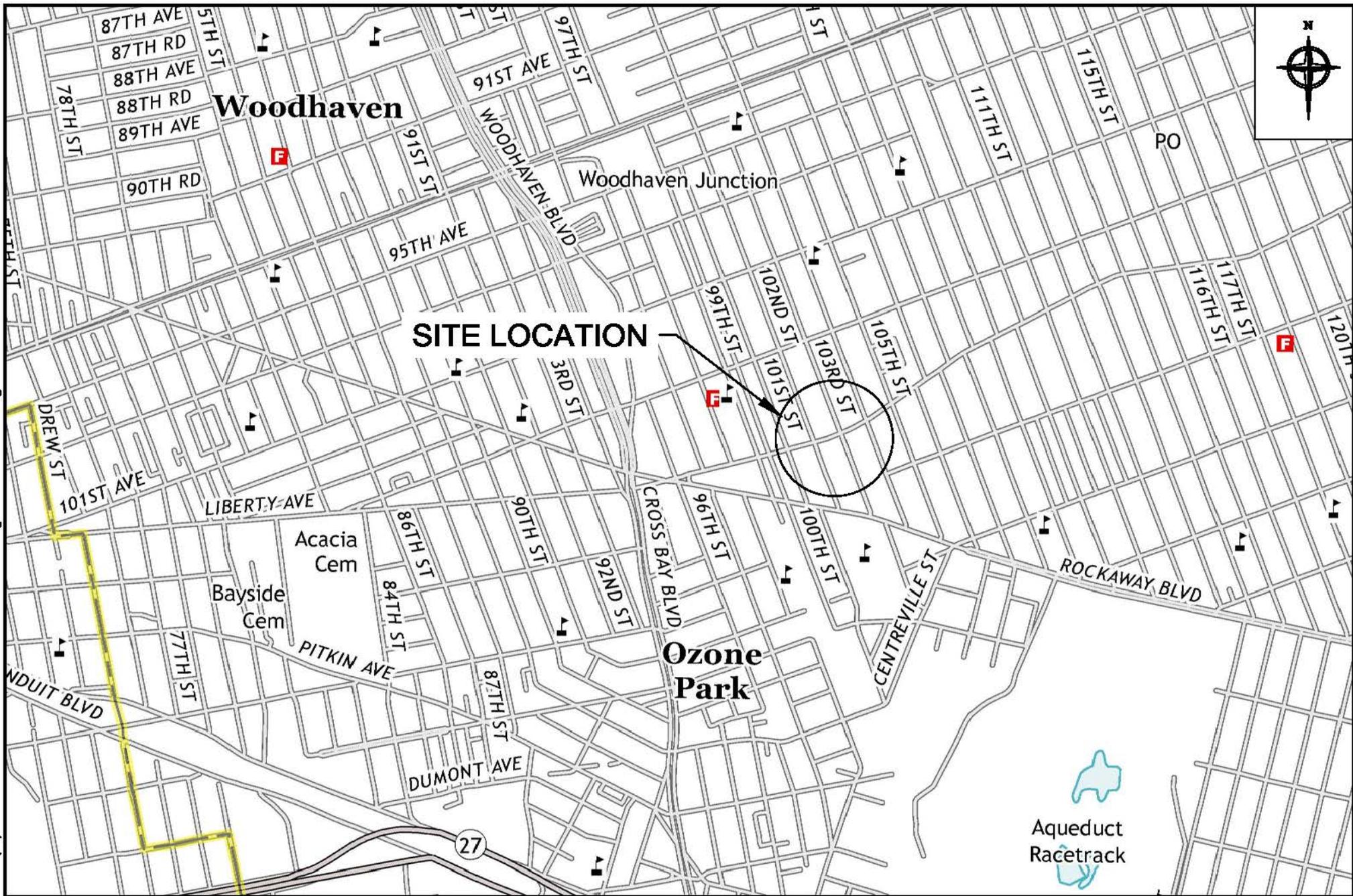
Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

#### **5.6 Impediments to Remedial Action**

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

## Figures

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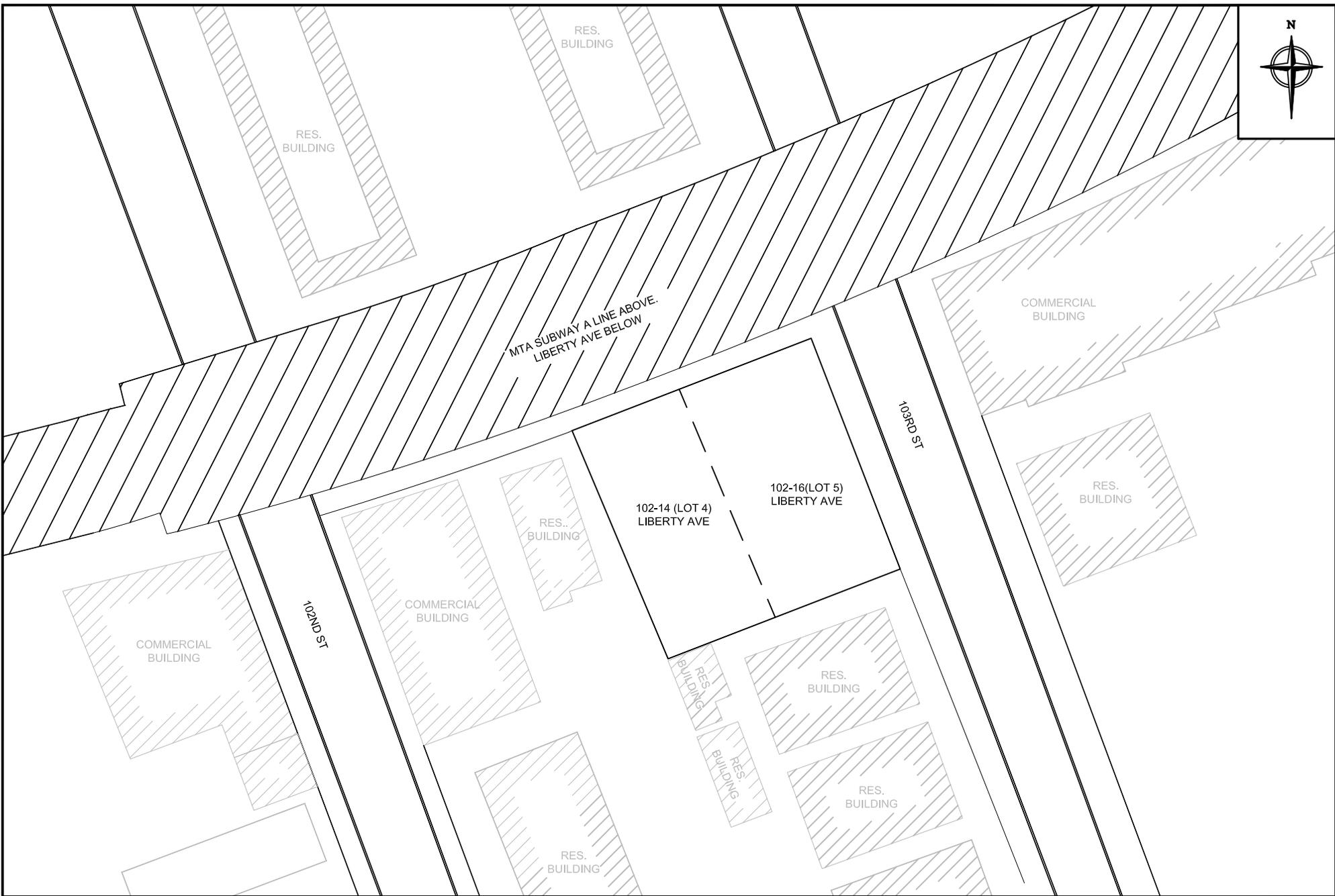


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TITLE:  
**Location Map**  
 102-14 & 102-16 Liberty Ave  
 Ozone Park, NY 11417

DWN: HVS	SCALE: NTS	DATE: 02/07/14	PROJECT NO.: YunaJ 14-01
CHKD: -	APPD: JMD	REV.: -	NOTES: -
FIGURE NO.:			1

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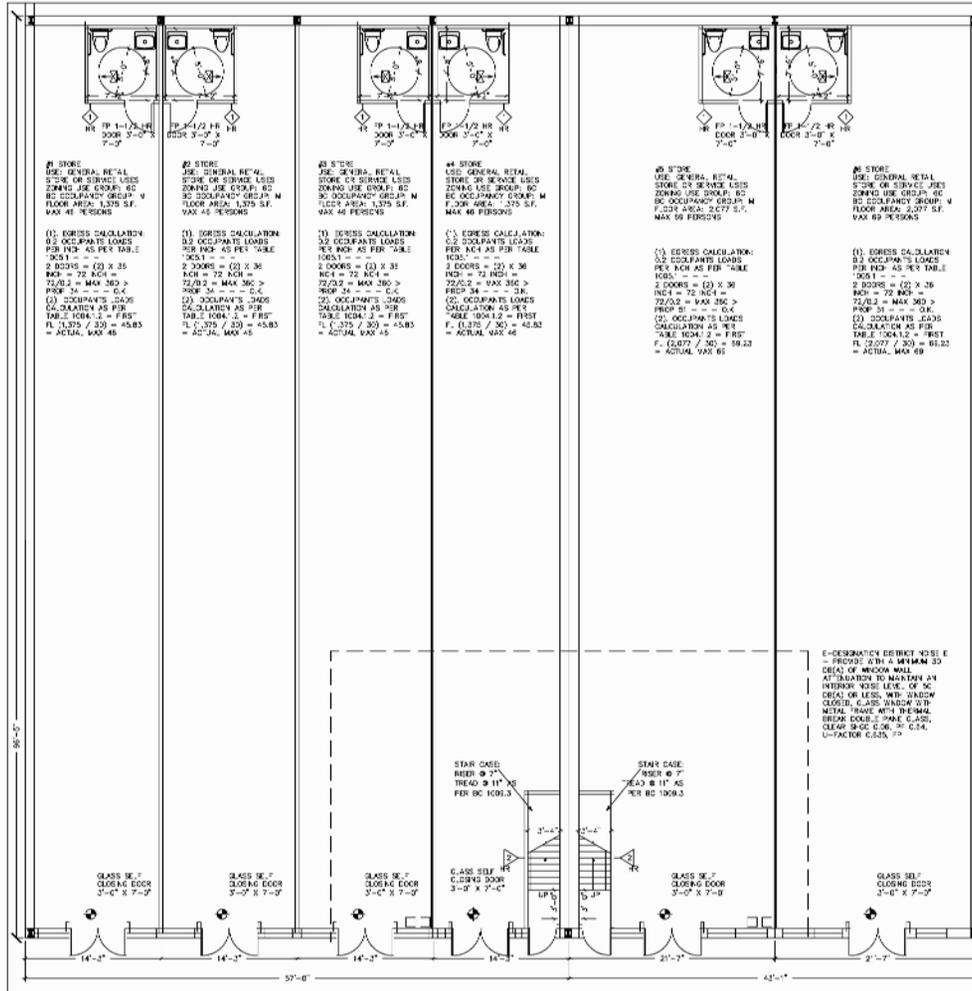
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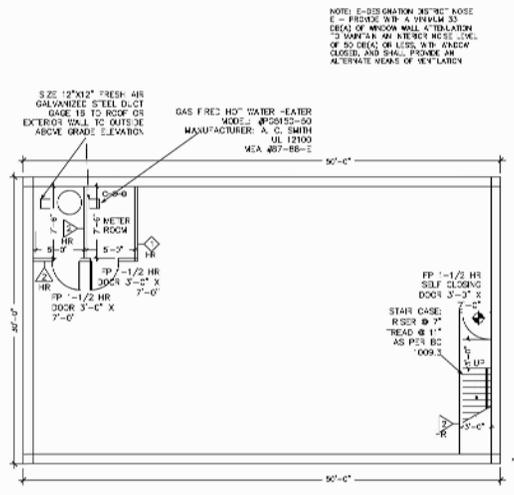
TITLE: **Site Boundary & Surrounding Land Usage Map**

102-14 & 102-16 Liberty Ave  
 Ozone Park, NY 11417

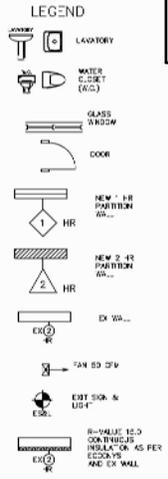
DWN: BJH	SCALE: 1" = 30'	DATE: 02/07/14	PROJECT NO.: YunaJ 14-01
CHKD: HVS	APPD: JMD	REV.: -	NOTES: -
FIGURE NO.:		2	



FIRST FLOOR PLAN  
SCALE: 3/8" = 1'-0"



CELLAR PLAN  
SCALE: 3/8" = 1'-0"



NOTE: E-DESIGNATION 36" RC NOSE  
E = PROVIDE WITH A MINIMUM 36"  
DEPTH OF WINDOW WALL ATTACHMENT  
TO SUPPORT AN INTERIOR NOSE LEVEL  
OF 50 DEGREE OR LESS, WITH ANCHOR  
CLIPS, AND SHIM, PROVIDE AN  
ALTERNATE MEANS OF VENT LATCH

E-DESIGNATION DETRACT NOISE E  
PROVIDE WITH A MINIMUM 36"  
DEPTH OF WINDOW WALL  
ATTACHMENT TO MAXIMIZE IN  
FREQUENCY NOISE LEVEL, OF 30  
DEGREE OR LESS, WITH WINDOW  
CLOSED, GLASS WINDOW WITH  
METAL FRAME WITH THERMAL  
BREAK DOUBLE-PANE GLASS,  
CLEAR GLASS 0.50, R< 0.54,  
U-FACTOR 0.50, 79

P:\2014\YunaJ\14-01 102-14(16) LIBERTY AVENUE\Task II Noise & Hazmat RAPs\Figures\URH Site Plan.dwg

PREPARED BY:

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TITLE:

# Proposed Site Development Plan

102-14 & 102-16 Liberty Ave  
Ozone Park, NY 11417

DWN:	SCALE:	DATE:	PROJECT NO.:
DHC	1" = 20'	02/07/14	YunaJ 14-01
CHKD:	APPD:	REV.:	NOTES:
HVS	JMD	-	-
FIGURE NO.:			

MTA SUBWAY A LINE  
LIBERTY AVE BELOW



103RD ST

B-1 (MW-1)

VP-1  
PROPOSED  
CELLAR

B-6

VP-3

B-4

102-16 (LOT 5)  
LIBERTY AVE

102-14 (LOT 4)  
LIBERTY AVE

ADJ.  
BUILDING

B-7

B-3 (MW-3)

B-5

VP-4

VP-2

B-2 (MW-2)

**LEGEND**

- SOIL BORINGS/MONITORING WELLS
- SOIL BORING ONLY
- SOIL VAPOR POINTS

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TITLE:  
**Soil Boring, Groundwater, and Soil Vapor Sampling  
 Locations**  
 102-14 & 102-16 Liberty Ave  
 Ozone Park, NY 11417

DWN: BJH	SCALE: 1" = 30'	DATE: 02/10/14	PROJECT NO.: YunaJ 14-01
CHKD: PJH	APPD: JMD	REV.: -	NOTES: -
FIGURE NO.:		4	

P:\2014\YunaJ14-01 102-14(16) LIBERTY AVENUE\Task I Phase II Work Plan\Figures\JRH Site Plan.dwg



MTA SUBWAY A LINE ABOVE.  
LIBERTY AVE BELOW

ADJ.  
BUILDING

ADJ.  
BUILDING

ADJ.  
BUILDING

102-14 (LOT 4)  
LIBERTY AVE

102-16 (LOT 5)  
LIBERTY AVE

103RD ST

ADJ.  
BUILDING

ADJ.  
BUILDING

ADJ.  
BUILDING

ADJ.  
BUILDING

ADJ.  
BUILDING

102ND ST

MW-1  
4.79'  
PROPOSED  
CELLAR

MW-2  
5.79'

MW-3  
3.69'

**LEGEND**

MONITORING WELLS

5.79' ELEVATION OF  
GROUNDWATER

DIRECTION OF GROUNDWATER  
FLOW

PREPARED BY:

**J.R. HOLZMACHER P.E., LLC**

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TITLE:

**Groundwater Contour Map**

102-14 & 102-16 Liberty Ave  
Ozone Park, NY 11417

DWN:

BJH

SCALE:

1" = 30'

DATE:

02/10/14

PROJECT NO.:

YunaJ 14-01

CHKD:

PJH

APPD:

JMD

REV.:

-

NOTES:

-

FIGURE NO.:

5

P:\2014\YunaJ14-01 102-14(16) LIBERTY AVENUE\Task I Phase II Work Plan\Figures\JRH Site Plan.dwg



MTA SUBWAY A LINE  
LIBERTY AVE BELOW



VP-1	
VOCs (ug/m3) in Soil Vapor	
Acetone	205D
Tetrachloroethene	24.6

B-1 (0-2')		
Metal's (PPM) in Soil		
Lead	146	
MW-1		
Metal's (PPM) in GW	Total	Dissolved
Iron	16.4	0.0141J
Manganese	1.08	0.52
Sodium	28.7	33.2

B-7 (0-2')	
Metal's (PPM) in Soil	
Lead	194
Manganese	0.211
Zinc	144

VP-3	
VOCs (ug/m3) in Soil Vapor	
Acetone	181D

MW-3		
Metal's (PPM) in GW	Total	Dissolved
Chromium	0.0876	ND
Iron	28.8	0.00822J
Manganese	2.04	0.686

MW-2		
Pesticides (PPB) in Groundwater		
Dieldrin	0.013J	
Metal's (PPM) in GW	Total	Dissolved
Iron	4.92	0.00778J
Manganese	0.876	0.719
Sodium	30.2	34.5

VP-4	
VOCs (ug/m3) in Soil Vapor	
Acetone	101D

LEGEND	
	SOIL BORINGS/MONITORING WELLS
	SOIL BORING ONLY
	SOIL VAPOR POINTS

PROPOSED CELLAR

102-16 (LOT 5)  
LIBERTY AVE

102-14 (LOT 4)  
LIBERTY AVE

ADJ.  
BUILDING

NG

PREPARED BY: **J.R. HOLZMACHER P.E., LLC**  
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 PHONE # (631) 234-2220 FAX # (631) 234-2221  
 E-MAIL: info@holzmacher.com

TITLE: **Map of Soil Chemistry, Groundwater Chemistry,  
 and Soil Vapor Chemistry**  
 102-14 & 102-16 Liberty Ave  
 Ozone Park, NY 11417

DWN: BJH	SCALE: 1" = 30'	DATE: 02/10/14	PROJECT NO.: YunaJ 14-01
CHKD: PJH	APPD: JMD	REV.: -	NOTES: -
FIGURE NO.:		6	

P:\2014\YunaJ14-01 102-14(16) LIBERTY AVENUE\Task I Phase II Work Plan\Figures\JRH Site Plan.dwg

## **Tables**

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

Volatile Organic Chemicals For Soils  
 EPA Method 8260  
 Table 1

Client SampleID:		SCOs	SCOs	B-1	B-1	B-4	B-4	B-5	B-5
Depth of Sample		Unrestricted	Restricted Commercial	0-2'	9-11'	0-2'	13-15'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014
Analyte	Units	Limits							
1,1,1,2-Tetrachloroethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	PPB	680	500000	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	PPB	270	240000	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	PPB	330	500000	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	PPB	3600	190000	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	1100	500000	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	PPB	20	30000	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	PPB	8400	190000	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	2400	280000	ND	ND	ND	ND	ND	ND
1,3-dichloropropane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	1800	130000	ND	ND	ND	ND	ND	ND
1,4-Dioxane	PPB	100	130000	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Butanone	PPB	120	500000	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Hexanone	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Propanol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Acetone	PPB	50	500000	16B	4.1B	4.3B	4.5B	4.5B	4.7B
Benzene	PPB	60	44000	ND	ND	ND	ND	ND	ND
Bromobenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Bromochloromethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Bromodichloromethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Bromoform	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Bromomethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Carbon disulfide	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	PPB	760	22000	ND	ND	ND	ND	ND	ND
Chlorobenzene	PPB	1100	500000	2.1J	1J	ND	ND	ND	ND
Chlorodifluoromethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Chloroethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Chloroform	PPB	370	350000	ND	ND	ND	ND	ND	ND
Chloromethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	PPB	250	500000	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Cyclohexane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Dibromochloromethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Dibromomethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Diisopropyl ether	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Ethanol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Ethylbenzene	PPB	1000	390000	ND	ND	ND	ND	ND	ND
Freon-114	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Isopropylbenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
m,p-Xylene	PPB	260	500000	ND	ND	ND	ND	ND	ND
Methyl Acetate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	PPB	930	500000	ND	ND	ND	ND	ND	ND
Methylene chloride	PPB	50	500000	10B	8B	8.4B	8.6B	9.3B	9B
Naphthalene	PPB	12000	500000	ND	ND	ND	ND	ND	ND
n-Butylbenzene	PPB	12000	500000	ND	ND	ND	ND	ND	ND
n-Propylbenzene	PPB	3900	500000	ND	ND	ND	ND	ND	ND
o-Xylene	PPB	260	500000	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	PPB	11000	500000	ND	ND	ND	ND	ND	ND

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

Volatile Organic Chemicals For Soils  
 EPA Method 8260  
 Table 1

Client SampleID:		SCOs	SCOs	B-1	B-1	B-4	B-4	B-5	B-5
Depth of Sample		Unrestricted	Restricted Commerical	0-2'	9-11'	0-2'	13-15'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014
Analyte	Units	Limits							
Styrene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
t-Butyl alcohol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	PPB	5900	500000	ND	ND	ND	ND	ND	ND
Tetrachloroethene	PPB	1300	150000	ND	ND	ND	ND	ND	ND
Toluene	PPB	700	500000	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	PPB	190	500000	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Trichloroethene	PPB	470	200000	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Vinyl acetate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Vinyl chloride	PPB	20	13000	ND	ND	ND	ND	ND	ND

Notes:

ND - Not detected

Objectives as per NYSDEC Part 375-6.8(b)

J- Laboratory Estimated Concentration

B- Detected in Blank

NA- Not Available

102-14 Liberty Avenue and  
102-16 Liberty Avenue, Queens, NY  
Block 9523, Lot(s) 4 5  
OER Project Number 14EH-N350Q

Volatile Organic Chemicals For Soils  
EPA Method 8260  
Table 1

Client SampleID:		SCOs	SCOs	B-2	B-2	B-3	B-3	B-6	B-6	B-7	B-7
Depth of Sample		Unrestricted	Restricted Commercial	0-2'	4-6'	0-2'	4-6'	0-2'	4-6'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014
Analyte	Units	Limits									
1,1,1,2-Tetrachloroethane	PPB	NA	NA	ND							
1,1,1-Trichloroethane	PPB	680	500000	ND							
1,1,2,2-Tetrachloroethane	PPB	NA	NA	ND							
1,1,2-Trichloro-1,2,2-trifluoroethane	PPB	NA	NA	ND							
1,1,2-Trichloroethane	PPB	NA	NA	ND							
1,1-Dichloroethane	PPB	270	240000	ND							
1,1-Dichloroethene	PPB	330	500000	ND							
1,1-Dichloropropene	PPB	NA	NA	ND							
1,2,3-Trichlorobenzene	PPB	NA	NA	ND							
1,2,3-Trichloropropane	PPB	NA	NA	ND							
1,2,4,5-Tetramethylbenzene	PPB	NA	NA	ND							
1,2,4-Trichlorobenzene	PPB	NA	NA	ND							
1,2,4-Trimethylbenzene	PPB	3600	190000	ND							
1,2-Dibromo-3-chloropropane	PPB	NA	NA	ND							
1,2-Dibromoethane	PPB	NA	NA	ND							
1,2-Dichlorobenzene	PPB	1100	500000	ND							
1,2-Dichloroethane	PPB	20	30000	ND							
1,2-Dichloropropane	PPB	NA	NA	ND							
1,3,5-Trimethylbenzene	PPB	8400	190000	ND							
1,3-Dichlorobenzene	PPB	2400	280000	ND							
1,3-dichloropropane	PPB	NA	NA	ND							
1,4-Dichlorobenzene	PPB	1800	130000	ND							
1,4-Dioxane	PPB	100	130000	ND							
2,2-Dichloropropane	PPB	NA	NA	ND							
2-Butanone	PPB	120	500000	ND							
2-Chloroethyl vinyl ether	PPB	NA	NA	ND							
2-Chlorotoluene	PPB	NA	NA	ND							
2-Hexanone	PPB	NA	NA	ND							
2-Propanol	PPB	NA	NA	ND							
4-Chlorotoluene	PPB	NA	NA	ND							
4-Isopropyltoluene	PPB	NA	NA	ND							
4-Methyl-2-pentanone	PPB	NA	NA	ND							
Acetone	PPB	50	500000	5.8B	5.3B	6.1B	6.1B	7.2B	7.5B	10B	5.5B
Benzene	PPB	60	44000	ND							
Bromobenzene	PPB	NA	NA	ND							
Bromochloromethane	PPB	NA	NA	ND							
Bromodichloromethane	PPB	NA	NA	ND							
Bromoform	PPB	NA	NA	ND							
Bromomethane	PPB	NA	NA	ND							
Carbon disulfide	PPB	NA	NA	ND							
Carbon tetrachloride	PPB	760	22000	ND							
Chlorobenzene	PPB	1100	500000	ND							
Chlorodifluoromethane	PPB	NA	NA	ND							
Chloroethane	PPB	NA	NA	ND							
Chloroform	PPB	370	350000	ND							
Chloromethane	PPB	NA	NA	ND							
cis-1,2-Dichloroethene	PPB	250	500000	ND							
cis-1,3-Dichloropropene	PPB	NA	NA	ND							
Cyclohexane	PPB	NA	NA	ND							
Dibromochloromethane	PPB	NA	NA	ND							
Dibromomethane	PPB	NA	NA	ND							
Dichlorodifluoromethane	PPB	NA	NA	ND							
Diisopropyl ether	PPB	NA	NA	ND							
Ethanol	PPB	NA	NA	ND							
Ethylbenzene	PPB	1000	390000	ND							
Freon-114	PPB	NA	NA	ND							
Hexachlorobutadiene	PPB	NA	NA	ND							
Isopropylbenzene	PPB	NA	NA	ND							
m,p-Xylene	PPB	260	500000	ND							
Methyl Acetate	PPB	NA	NA	ND							
Methyl tert-butyl ether	PPB	930	500000	ND							
Methylene chloride	PPB	50	500000	9.2B	8.7B	9.1B	8.9B	11B	9.3B	11B	8.9B
Naphthalene	PPB	12000	500000	ND							
n-Butylbenzene	PPB	12000	500000	ND							
n-Propylbenzene	PPB	3900	500000	ND							
o-Xylene	PPB	260	500000	ND							
p-Diethylbenzene	PPB	NA	NA	ND							
p-Ethyltoluene	PPB	NA	NA	ND							
sec-Butylbenzene	PPB	11000	500000	ND							

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

Volatile Organic Chemicals For Soils  
 EPA Method 8260  
 Table 1

Client SampleID:	SCOs		SCOs	B-2	B-2	B-3	B-3	B-6	B-6	B-7	B-7
	Unrestricted	Restricted	Commerical	0-2'	4-6'	0-2'	4-6'	0-2'	4-6'	0-2'	3-5'
Depth of Sample	Track 1	Track 2		1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014
Sampling Date:	Units	Limits									
Analyte											
Styrene	PPB	NA	NA	ND							
t-Butyl alcohol	PPB	NA	NA	ND							
tert-Butylbenzene	PPB	5900	500000	ND							
Tetrachloroethene	PPB	1300	150000	ND							
Toluene	PPB	700	500000	ND							
trans-1,2-Dichloroethene	PPB	190	500000	ND							
trans-1,3-Dichloropropene	PPB	NA	NA	ND							
Trichloroethene	PPB	470	200000	ND							
Trichlorofluoromethane	PPB	NA	NA	ND							
Vinyl acetate	PPB	NA	NA	ND							
Vinyl chloride	PPB	20	13000	ND							

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

102-14 Liberty Avenue and  
102-16 Liberty Avenue, Queens, NY  
Block 9523, Lot(s) 4 5  
OER Project Number 14EH-N350Q

Semi-Volatile Organic Chemicals For Soils  
EPA Method 8270  
Table 2

Client SampleID:		SCOs	SCOs	B-1	B-1	B-4	B-4	B-5	B-5
Depth of Sample		Unrestricted	Restricted Commercial	0-2'	9-11'	0-2'	13-15'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014
Analyte	Units	Limits							
1,2,4-Trichlorobenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	1100	500000	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	2400	280000	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	1800	130000	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Chlorophenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Methylphenol	PPB	330	500000	ND	ND	ND	ND	ND	ND
2-Nitroaniline	PPB	NA	NA	ND	ND	ND	ND	ND	ND
2-Nitrophenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	PPB	NA	NA	ND	ND	ND	ND	ND	ND
3+4-Methylphenol	PPB	330	500000	ND	ND	ND	ND	ND	ND
3-Nitroaniline	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Chloroaniline	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Nitroaniline	PPB	NA	NA	ND	ND	ND	ND	ND	ND
4-Nitrophenol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Acenaphthene	PPB	20000	500000	ND	ND	ND	ND	ND	ND
Acenaphthylene	PPB	100000	500000	77J	ND	ND	ND	ND	ND
Acetophenone	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Aniline	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Anthracene	PPB	100000	500000	88J	ND	ND	ND	ND	ND
Atrazine	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Azobenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Benzaldehyde	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Benzidine	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	PPB	1000	5600	400	ND	ND	ND	ND	ND
Benzo(a)pyrene	PPB	1000	1000	390	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	PPB	1000	5600	390	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	PPB	100000	500000	260J	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	PPB	800	56000	310	ND	ND	ND	ND	ND
Benzoic acid	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Benzyl alcohol	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Biphenyl	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Caprolactam	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Carbazole	PPB	NA	NA	35J	ND	ND	ND	ND	ND
Chrysene	PPB	1000	56000	400	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	PPB	330	560	67J	ND	ND	ND	ND	ND
Dibenzofuran	PPB	7000	350000	ND	ND	ND	ND	ND	ND
Diethyl phthalate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Fluoranthene	PPB	100000	500000	780	ND	ND	ND	ND	ND
Fluorene	PPB	30000	500000	43J	ND	ND	ND	ND	ND
Hexachlorobenzene	PPB	330	6000	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	NA	NA	ND	ND	ND	ND	ND	ND

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

Semi-Volatile Organic Chemicals For Soils  
 EPA Method 8270  
 Table 2

Client SampleID:		SCOs	SCOs	B-1	B-1	B-4	B-4	B-5	B-5
Depth of Sample		Unrestricted	Restricted Commercial	0-2'	9-11'	0-2'	13-15'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014
Analyte	Units	Limits							
Hexachloroethane	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	PPB	500	5600	310	ND	ND	ND	ND	ND
Isophorone	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Naphthalene	PPB	12000	500000	ND	ND	ND	ND	ND	ND
Nitrobenzene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	PPB	NA	NA	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	PPB	NA	NA	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Parathion	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Pentachlorophenol	PPB	800	6700	ND	ND	ND	ND	ND	ND
Phenanthrene	PPB	100000	500000	360	ND	ND	ND	ND	ND
Phenol	PPB	330	500000	ND	ND	ND	ND	ND	ND
Pyrene	PPB	100000	500000	700	ND	ND	ND	ND	ND
Pyridine	PPB	NA	NA	ND	ND	ND	ND	ND	ND

Notes:

ND - Not detected

Objectives as per NYSDEC Part 375-6.8(b)

J- Laboratory Estimated Concentration

B- Detected in Blank

NA- Not Available

Semi-Volatile Organic Chemicals For Soils  
 EPA Method 8270  
 Table 2

Client SampleID:		SCOs	SCOs	B-2	B-2	B-3	B-3	B-6	B-6	B-7	B-7
Depth of Sample		Unrestricted	Restricted Commerical	0-2'	4-6'	0-2'	4-6'	0-2'	4-6'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014
Analyte	Units	Limits									
1,2,4-Trichlorobenzene	PPB	NA	NA	ND							
1,2-Dichlorobenzene	PPB	1100	500000	ND							
1,3-Dichlorobenzene	PPB	2400	280000	ND							
1,4-Dichlorobenzene	PPB	1800	130000	ND							
2,3,4,6-Tetrachlorophenol	PPB	NA	NA	ND							
2,4,5-Trichlorophenol	PPB	NA	NA	ND							
2,4,6-Trichlorophenol	PPB	NA	NA	ND							
2,4-Dichlorophenol	PPB	NA	NA	ND							
2,4-Dimethylphenol	PPB	NA	NA	ND							
2,4-Dinitrophenol	PPB	NA	NA	ND							
2,4-Dinitrotoluene	PPB	NA	NA	ND							
2,6-Dinitrotoluene	PPB	NA	NA	ND							
2-Chloronaphthalene	PPB	NA	NA	ND							
2-Chlorophenol	PPB	NA	NA	ND							
2-Methylnaphthalene	PPB	NA	NA	ND	ND	ND	ND	ND	ND	37J	ND
2-Methylphenol	PPB	330	500000	ND							
2-Nitroaniline	PPB	NA	NA	ND							
2-Nitrophenol	PPB	NA	NA	ND							
3,3'-Dichlorobenzidine	PPB	NA	NA	ND							
3+4-Methylphenol	PPB	330	500000	ND							
3-Nitroaniline	PPB	NA	NA	ND							
4,6-Dinitro-2-methylphenol	PPB	NA	NA	ND							
4-Bromophenyl phenyl ether	PPB	NA	NA	ND							
4-Chloro-3-methylphenol	PPB	NA	NA	ND							
4-Chloroaniline	PPB	NA	NA	ND							
4-Chlorophenyl phenyl ether	PPB	NA	NA	ND							
4-Nitroaniline	PPB	NA	NA	ND							
4-Nitrophenol	PPB	NA	NA	ND							
Acenaphthene	PPB	20000	500000	ND							
Acenaphthylene	PPB	100000	500000	ND							
Acetophenone	PPB	NA	NA	ND							
Aniline	PPB	NA	NA	ND							
Anthracene	PPB	100000	500000	ND	ND	ND	ND	ND	ND	45J	ND
Atrazine	PPB	NA	NA	ND							
Azobenzene	PPB	NA	NA	ND							
Benzaldehyde	PPB	NA	NA	ND							
Benzidine	PPB	NA	NA	ND							
Benzo(a)anthracene	PPB	1000	5600	ND	ND	33J	ND	ND	ND	190J	ND
Benzo(a)pyrene	PPB	1000	1000	ND	ND	ND	ND	ND	ND	160J	ND
Benzo(b)fluoranthene	PPB	1000	5600	ND	ND	36J	ND	ND	ND	190J	ND
Benzo(g,h,i)perylene	PPB	100000	500000	ND	ND	ND	ND	ND	ND	130J	ND
Benzo(k)fluoranthene	PPB	800	56000	ND	ND	ND	ND	ND	ND	160J	ND
Benzoic acid	PPB	NA	NA	ND	ND	ND	ND	ND	ND	110J	ND
Benzyl alcohol	PPB	NA	NA	ND							
Biphenyl	PPB	NA	NA	ND							
Bis(2-chloroethoxy)methane	PPB	NA	NA	ND							
Bis(2-chloroethyl)ether	PPB	NA	NA	ND							
Bis(2-chloroisopropyl)ether	PPB	NA	NA	ND							
Bis(2-ethylhexyl)phthalate	PPB	NA	NA	ND	ND	ND	ND	ND	61J	43J	ND
Butyl benzyl phthalate	PPB	NA	NA	ND							
Caprolactam	PPB	NA	NA	ND							
Carbazole	PPB	NA	NA	ND							
Chrysene	PPB	1000	56000	ND	ND	44J	ND	ND	ND	240J	ND
Dibenzo(a,h)anthracene	PPB	330	560	ND	ND	ND	ND	ND	ND	31J	ND
Dibenzofuran	PPB	7000	350000	ND	ND	ND	ND	ND	ND	29J	ND
Diethyl phthalate	PPB	NA	NA	ND							
Dimethyl phthalate	PPB	NA	NA	ND							
Di-n-butyl phthalate	PPB	NA	NA	ND							
Di-n-octyl phthalate	PPB	NA	NA	ND							
Fluoranthene	PPB	100000	500000	ND	ND	59J	ND	ND	ND	410	ND
Fluorene	PPB	30000	500000	ND							
Hexachlorobenzene	PPB	330	6000	ND							
Hexachlorobutadiene	PPB	NA	NA	ND							
Hexachlorocyclopentadiene	PPB	NA	NA	ND							

102-14 Liberty Avenue and  
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 OER Project Number 14EH-N350Q

Semi-Volatile Organic Chemicals For Soils  
 EPA Method 8270  
 Table 2

Client SampleID:		SCOs	SCOs	B-2	B-2	B-3	B-3	B-6	B-6	B-7	B-7
Depth of Sample		Unrestricted	Restricted Commercial	0-2'	4-6'	0-2'	4-6'	0-2'	4-6'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014
Analyte	Units	Limits									
Hexachloroethane	PPB	NA	NA	ND							
Indeno(1,2,3-c,d)pyrene	PPB	500	5600	ND	ND	ND	ND	ND	ND	150J	ND
Isophorone	PPB	NA	NA	ND							
Naphthalene	PPB	12000	500000	ND	ND	ND	ND	ND	ND	92J	ND
Nitrobenzene	PPB	NA	NA	ND							
N-Nitrosodimethylamine	PPB	NA	NA	ND							
N-Nitrosodi-n-propylamine	PPB	NA	NA	ND							
N-Nitrosodiphenylamine	PPB	NA	NA	ND							
Parathion	PPB	NA	NA	ND							
Pentachlorophenol	PPB	800	6700	ND							
Phenanthrene	PPB	100000	500000	ND	ND	35J	ND	ND	ND	240J	ND
Phenol	PPB	330	500000	ND	ND	ND	ND	ND	ND	67J	ND
Pyrene	PPB	100000	500000	ND	ND	48J	ND	ND	ND	360	ND
Pyridine	PPB	NA	NA	ND							

Notes:

ND - Not detected

Objectives as per NYSDEC Part 375-6.8(b)

J- Laboratory Estimated Concentration

B- Detected in Blank

NA- Not Available

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

Pesticides Method 8081  
 Table 3

Client SampleID:		SCOs	SCOs	B-1	B-1	B-4	B-4	B-5	B-5
Depth of Sample		Unrestricted	Restricted Commerical	0-2'	9-11'	0-2'	13-15'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014
Analyte	Units	Limits							
4,4'-DDD	PPB	3.3	92000	ND	ND	ND	ND	ND	ND
4,4'-DDE	PPB	3.3	62000	ND	ND	ND	ND	ND	ND
4,4'-DDT	PPB	3.3	47000	ND	ND	ND	ND	ND	ND
Aldrin	PPB	5	680	ND	ND	ND	ND	ND	ND
alpha-BHC	PPB	20	3400	ND	ND	ND	ND	ND	ND
beta-BHC	PPB	36	3000	ND	ND	ND	ND	ND	ND
Chlordane	PPB	94	24000	ND	ND	ND	ND	ND	ND
Chlorobenzilate	PPB	NA	NA	ND	ND	ND	ND	ND	ND
DBCP	PPB	NA	NA	ND	ND	ND	ND	ND	ND
delta-BHC	PPB	40	500000	ND	ND	ND	ND	ND	ND
Dieldrin	PPB	5	1400	ND	ND	ND	ND	ND	ND
Endosulfan I	PPB	2400	200000	ND	ND	ND	ND	ND	ND
Endosulfan II	PPB	2400	200000	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	PPB	2400	200000	ND	ND	ND	ND	ND	ND
Endrin	PPB	14	89000	ND	ND	ND	ND	ND	ND
Endrin aldehyde	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Endrin ketone	PPB	NA	NA	ND	ND	ND	ND	ND	ND
gamma-BHC	PPB	100	9200	ND	ND	ND	ND	ND	ND
Heptachlor	PPB	42	15000	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	PPB	NA	NA	ND	ND	1.2J	1J2	ND	ND
Hexachlorobenzene	PPB	330	6000	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Methoxychlor	PPB	NA	NA	ND	ND	ND	ND	ND	ND
Toxaphene	PPB	NA	NA	ND	ND	ND	ND	ND	ND

Notes:

ND - Not detected

Objectives as per NYSDEC Part 375-6.8(b)

NA- Not Available

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
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Pesticides Method 8081  
 Table 3

Client SampleID:		SCOs	SCOs	B-2	B-2	B-3	B-3	B-6	B-6	B-7	B-7
Depth of Sample		Unrestricted	Restricted Commercial	0-2'	4-6'	0-2'	4-6'	0-2'	4-6'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014
Analyte	Units	Limits									
4,4'-DDD	PPB	3.3	92000	ND	1.2J						
4,4'-DDE	PPB	3.3	62000	ND							
4,4'-DDT	PPB	3.3	47000	ND							
Aldrin	PPB	5	680	ND							
alpha-BHC	PPB	20	3400	ND							
beta-BHC	PPB	36	3000	ND							
Chlordane	PPB	94	24000	ND							
Chlorobenzilate	PPB	NA	NA	ND							
DBCP	PPB	NA	NA	ND							
delta-BHC	PPB	40	500000	ND							
Dieldrin	PPB	5	1400	ND							
Endosulfan I	PPB	2400	200000	ND							
Endosulfan II	PPB	2400	200000	ND							
Endosulfan sulfate	PPB	2400	200000	ND							
Endrin	PPB	14	89000	ND							
Endrin aldehyde	PPB	NA	NA	ND							
Endrin ketone	PPB	NA	NA	ND							
gamma-BHC	PPB	100	9200	ND							
Heptachlor	PPB	42	15000	ND							
Heptachlor epoxide	PPB	NA	NA	ND							
Hexachlorobenzene	PPB	330	6000	ND							
Hexachlorocyclopentadiene	PPB	NA	NA	ND							
Methoxychlor	PPB	NA	NA	ND							
Toxaphene	PPB	NA	NA	ND							

Notes:

ND - Not detected

Objectives as per NYSDEC Part 375-6.8(b)

NA- Not Available

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
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PCBs Method 8082  
 Table 4

Client SampleID:		SCOs	SCOs	B-1	B-1	B-4	B-4	B-5	B-5
Depth of Sample		Unrestricted	Restricted Commerical	0-2'	9-11'	0-2'	13-15'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014
Analyte	Units	Limits							
Aroclor 1016	PPB	100	1000	ND	ND	ND	ND	ND	ND
Aroclor 1221	PPB	100	1000	ND	ND	ND	ND	ND	ND
Aroclor 1232	PPB	100	1000	ND	ND	ND	ND	ND	ND
Aroclor 1242	PPB	100	1000	ND	ND	ND	ND	ND	ND
Aroclor 1248	PPB	100	1000	ND	ND	ND	ND	ND	ND
Aroclor 1254	PPB	100	1000	ND	ND	ND	ND	ND	ND
Aroclor 1260	PPB	100	1000	ND	ND	ND	ND	ND	ND
Aroclor 1262	PPB	100	1000	ND	ND	ND	ND	ND	ND
Aroclor 1268	PPB	100	1000	ND	ND	ND	ND	ND	ND

**Notes:**

All results in ppb  
 ND - Not detected

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

PCBs Method 8082  
 Table 4

Client SampleID:		SCOs	SCOs	B-2	B-2	B-3	B-3	B-6	B-6	B-7	B-7
Depth of Sample		Unrestricted	Restricted Commerical	0-2'	4-6'	0-2'	4-6'	0-2'	4-6'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014
Analyte	Units	Limits									
Aroclor 1016	PPB	100	1000	ND							
Aroclor 1221	PPB	100	1000	ND							
Aroclor 1232	PPB	100	1000	ND							
Aroclor 1242	PPB	100	1000	ND							
Aroclor 1248	PPB	100	1000	ND							
Aroclor 1254	PPB	100	1000	ND							
Aroclor 1260	PPB	100	1000	ND							
Aroclor 1262	PPB	100	1000	ND							
Aroclor 1268	PPB	100	1000	ND							

**Notes:**

All results in ppb  
 ND - Not detected

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
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TAL Metals Analysis  
 Table 5

Client SampleID:		SCOs	SCOs	B-1	B-1	B-4	B-4	B-5	B-5
Depth of Sample		Unrestricted	Restricted Commerical	0-2'	9-11'	0-2'	13-15'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014	1/29/2014
Analyte	Units	Limits							
Aluminum	PPM	NA	NA	9990	2260	3880	1930	9910	2370
Antimony	PPM	NA	NA	ND	ND	ND	ND	ND	ND
Arsenic	PPM	13	16	3.87	1.07	1.42	0.884	3.3	0.843
Barium	PPM	350	400	76.3	21.9	17.4	18.8	35.5	10.8
Beryllium	PPM	7.2	590	ND	ND	ND	ND	ND	ND
Cadmium	PPM	2.5	9.3	0.176J	ND	ND	ND	ND	ND
Calcium	PPM	NA	NA	2480	259	331	250	726	247
Chromium	PPM	30	1500	18.5	9.53	10.9	7.91	18	7.24
Cobalt	PPM	NA	NA	ND	ND	ND	ND	ND	ND
Copper	PPM	50	270	21.2	6.08	9.49	5.8	11.4	6.53
Iron	PPM	NA	NA	11500	10500	11100	10600	12800	7490
Lead	PPM	63	1000	146	2.75	3.32	2.64	12.1	2.17
Magnesium	PPM	NA	NA	2500	780	1210	628	1600	628
Manganese	PPM	1600	10000	193	244	233	229	214	160
Mercury	PPM	0.18	2.8	0.101	ND	ND	ND	0.0329	ND
Nickel	PPM	30	310	10.4	6.76	8.87	6.13	9.64	5.08
Potassium	PPM	NA	NA	850	503	592	388	740	294
Selenium	PPM	3.9	1500	ND	ND	ND	ND	ND	ND
Silver	PPM	2	1500	0.114J	ND	ND	ND	ND	ND
Sodium	PPM	NA	NA	98.3	28.8	28	26.2	55.5	19.3
Thallium	PPM	NA	NA	0.643	ND	0.382J	ND	0.5J	ND
Vanadium	PPM	NA	NA	24.6	10.1	16.4	11.5	24.5	9.33
Zinc	PPM	109	10000	82.2	10.3	14	10.4	29.2	8.95

**Notes:**

All results in ppm

ND - Not detected

NA- Not Available

102-14 Liberty Avenue and  
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 OER Project Number 14EH-N350Q

TAL Metals Analysis  
 Table 5

Client SampleID:		SCOs	SCOs	B-2	B-2	B-3	B-3	B-6	B-6	B-7	B-7
Depth of Sample		Unrestricted	Restricted Commerical	0-2'	4-6'	0-2'	4-6'	0-2'	4-6'	0-2'	3-5'
Sampling Date:		Track 1	Track 2	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014
Analyte	Units	Limits									
Aluminum	PPM	NA	NA	16400	3030	13900	2750	11100	2440	11600	3000
Antimony	PPM	NA	NA	ND							
Arsenic	PPM	13	16	3.65	1.13	4.39	0.857	3.36	1.06	6.69	1.16
Barium	PPM	350	400	39.2	16.2	47.1	12.9	73.9	15.6	116	13.4
Beryllium	PPM	7.2	590	ND							
Cadmium	PPM	2.5	9.3	ND	ND	ND	ND	ND	ND	0.41J	ND
Calcium	PPM	NA	NA	1200	389	5580	695	1590	3850	2890	249
Chromium	PPM	30	1500	19.9	10.4	17.7	8.83	17.4	12	17.8	8.53
Cobalt	PPM	NA	NA	ND							
Copper	PPM	50	270	15.9	9.88	20	6.52	10.6	8.39	39.9	6.88
Iron	PPM	NA	NA	16400	11000	15500	7950	13400	7770	15100	10200
Lead	PPM	63	1000	16.6	2.87	63.7	2.99	15.5	4.33	194	4.5
Magnesium	PPM	NA	NA	1970	961	4090	1100	2030	2690	2550	869
Manganese	PPM	1600	10000	183	262	216	165	478	191	347	181
Mercury	PPM	0.18	2.8	0.0181	ND	0.0186	ND	0.0208	ND	0.211	0.00803J
Nickel	PPM	30	310	11.6	7.56	11.2	7.37	11.3	6.72	13.5	6.31
Potassium	PPM	NA	NA	859	354	878	340	659	461	728	346
Selenium	PPM	3.9	1500	ND	ND	0.269J	ND	0.365J	ND	0.416J	ND
Silver	PPM	2	1500	ND	ND	ND	ND	ND	ND	0.165J	ND
Sodium	PPM	NA	NA	61.1	34.3	73.5	29.3	118	50.8	121	23.4
Thallium	PPM	NA	NA	1.19	0.431J	1.02	0.412J	1.03	0.346J	0.66	0.434J
Vanadium	PPM	NA	NA	27	14.9	25.8	9.19	24.5	10.7	24.4	12.4
Zinc	PPM	109	10000	39	15	54.2	12	31.7	13.1	144	11.5

**Notes:**

All results in ppm  
 ND - Not detected  
 NA- Not Available

102-14 Liberty Avenue and  
102-16 Liberty Avenue, Queens, NY  
Block 9523, Lot(s) 4 5  
OER Project Number 14EH-N350Q

Volatile Organic Chemicals for Groundwater  
EPA Method 8260  
Table 6

Client SampleID:		NYS Groundwater Standards	MW-1	MW-2	MW-3	Trip Blank	Field Blank
Sampling Date:			2/4/2014	2/4/2014	2/4/2014	2/4/2014	2/4/2014
Analyte	Units	Limits					
1,1,1,2-Tetrachloroethane	PPB	5	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	PPB	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	PPB	0.2	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	PPB	1	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	PPB	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	PPB	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	PPB	5	ND	ND	ND	ND	ND
1,1-Dichloropropene	PPB	5	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	PPB	5	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	PPB	0.4	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	PPB	5	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	PPB	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	PPB	5	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	PPB	0.04	ND	ND	ND	ND	ND
1,2-Dibromoethane	PPB	5	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	3	ND	ND	ND	ND	ND
1,2-Dichloroethane	PPB	0.6	ND	ND	ND	ND	ND
1,2-Dichloropropane	PPB	5	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	PPB	5	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	3	ND	ND	ND	ND	ND
1,3-dichloropropane	PPB	0.4	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	3	ND	ND	ND	ND	ND
1,4-Dioxane	PPB	50*	ND	ND	ND	ND	ND
2,2-Dichloropropane	PPB	5	ND	ND	ND	ND	ND
2-Butanone	PPB	50*	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	PPB	50*	ND	ND	ND	ND	ND
2-Chlorotoluene	PPB	5	ND	ND	ND	ND	ND
2-Hexanone	PPB	50*	ND	ND	ND	ND	ND
2-Propanol	PPB	7	ND	ND	ND	ND	ND
4-Chlorotoluene	PPB	5	ND	ND	ND	ND	ND
4-Isopropyltoluene	PPB	5	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	PPB	50*	ND	ND	ND	ND	ND
Acetone	PPB	50*	6.3B	6.4B	5.6B	5.9B	5.5B
Benzene	PPB	1	ND	ND	ND	ND	ND
Bromobenzene	PPB	5	ND	ND	ND	ND	ND
Bromochloromethane	PPB	5	ND	ND	ND	ND	ND
Bromodichloromethane	PPB	50*	ND	ND	ND	ND	ND
Bromoform	PPB	50*	ND	ND	ND	ND	ND
Bromomethane	PPB	5	ND	ND	ND	ND	ND
Carbon disulfide	PPB	50*	ND	ND	ND	ND	ND
Carbon tetrachloride	PPB	5	ND	ND	ND	ND	ND
Chlorobenzene	PPB	5	ND	ND	ND	ND	ND
Chlorodifluoromethane	PPB	50*	ND	ND	ND	ND	ND
Chloroethane	PPB	5	ND	ND	ND	ND	ND
Chloroform	PPB	7	ND	ND	8.5	ND	ND
Chloromethane	PPB	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	PPB	5	ND	ND	ND	ND	ND

102-14 Liberty Avenue and  
102-16 Liberty Avenue, Queens, NY  
Block 9523, Lot(s) 4 5  
OER Project Number 14EH-N350Q

Volatile Organic Chemicals for Groundwater  
EPA Method 8260  
Table 6

Client SampleID:		NYS Groundwater Standards	MW-1	MW-2	MW-3	Trip Blank	Field Blank
<b>Sampling Date:</b>			<b>2/4/2014</b>	<b>2/4/2014</b>	<b>2/4/2014</b>	<b>2/4/2014</b>	<b>2/4/2014</b>
<b>Analyte</b>	<b>Units</b>	<b>Limits</b>					
cis-1,3-Dichloropropene	PPB	0.4**	ND	ND	ND	ND	ND
Cyclohexane	PPB		ND	ND	ND	ND	ND
Dibromochloromethane	PPB	5	ND	ND	ND	ND	ND
Dibromomethane	PPB	5	ND	ND	ND	ND	ND
Dichlorodifluoromethane	PPB	5	ND	ND	ND	ND	ND
Diisopropyl ether	PPB	50*	ND	ND	ND	ND	ND
Ethanol	PPB	50*	ND	ND	ND	ND	ND
Ethylbenzene	PPB	5	ND	ND	ND	ND	ND
Freon-114	PPB	50*	ND	ND	ND	ND	ND
Hexachlorobutadiene	PPB	0.5	ND	ND	ND	ND	ND
Isopropylbenzene	PPB	5	ND	ND	ND	ND	ND
m,p-Xylene	PPB	5	ND	ND	ND	ND	ND
Methyl Acetate	PPB	50*	ND	ND	ND	ND	ND
Methyl tert-butyl ether	PPB	10	ND	ND	ND	ND	ND
Methylene chloride	PPB	5	<b>7.6B</b>	<b>7.8B</b>	<b>7.3B</b>	<b>6.9B</b>	<b>6.7B</b>
Naphthalene	PPB	10	ND	ND	ND	ND	ND
n-Butylbenzene	PPB	5	ND	ND	ND	ND	ND
n-Propylbenzene	PPB	5	ND	ND	ND	ND	ND
o-Xylene	PPB	5	ND	ND	ND	ND	ND
p-Diethylbenzene	PPB	50*	ND	ND	ND	ND	ND
p-Ethyltoluene	PPB	50*	ND	ND	ND	ND	ND
sec-Butylbenzene	PPB	5	ND	ND	ND	ND	ND
Styrene	PPB	5	ND	ND	ND	ND	ND
t-Butyl alcohol	PPB	50*	ND	ND	ND	ND	ND
tert-Butylbenzene	PPB	5	ND	ND	ND	ND	ND
Tetrachloroethene	PPB	5	ND	ND	ND	ND	ND
Toluene	PPB	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	PPB	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	PPB	0.4	ND	ND	ND	ND	ND
Trichloroethene	PPB	5	ND	ND	ND	ND	ND
Trichlorofluoromethane	PPB	5	ND	ND	ND	ND	ND
Vinyl acetate	PPB	50*	ND	ND	ND	ND	ND
Vinyl chloride	PPB	2	ND	ND	ND	ND	ND

*Notes:*

*ND - Not detected*

*\*- Guidance Value*

*B- Detected in Blank*

*J- Laboratory Estimated Concentration*

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

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

Client SampleID:		NYS Groundwater Standards	MW-1	MW-2	MW-3	Field Blank
<b>Sampling Date:</b>			2/4/2014	2/4/2014	2/4/2014	2/4/2014
<b>Analyte</b>	<b>Units</b>	<b>Limits</b>				
1,2,4-Trichlorobenzene	PPB	5	ND	ND	ND	ND
1,2-Dichlorobenzene	PPB	3	ND	ND	ND	ND
1,3-Dichlorobenzene	PPB	3	ND	ND	ND	ND
1,4-Dichlorobenzene	PPB	3	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	PPB	NA	ND	ND	ND	ND
2,4,5-Trichlorophenol	PPB	NA	ND	ND	ND	ND
2,4,6-Trichlorophenol	PPB	NA	ND	ND	ND	ND
2,4-Dichlorophenol	PPB	5	ND	ND	ND	ND
2,4-Dimethylphenol	PPB	50	ND	ND	ND	ND
2,4-Dinitrophenol	PPB	10	ND	ND	ND	ND
2,4-Dinitrotoluene	PPB	5	ND	ND	ND	ND
2,6-Dinitrotoluene	PPB	5	ND	ND	ND	ND
2-Chloronaphthalene	PPB	10	ND	ND	ND	ND
2-Chlorophenol	PPB	NA	ND	ND	ND	ND
2-Methylnaphthalene	PPB	NA	ND	ND	ND	ND
2-Methylphenol	PPB	NA	ND	ND	ND	ND
2-Nitroaniline	PPB	5	ND	ND	ND	ND
2-Nitrophenol	PPB	NA	ND	ND	ND	ND
3,3'-Dichlorobenzidine	PPB	5	ND	ND	ND	ND
3+4-Methylphenol	PPB	1	ND	ND	ND	ND
3-Nitroaniline	PPB	5	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	PPB	NA	ND	ND	ND	ND
4-Bromophenyl phenyl ether	PPB	NA	ND	ND	ND	ND
4-Chloro-3-methylphenol	PPB	NA	ND	ND	ND	ND
4-Chloroaniline	PPB	NA	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	PPB	NA	ND	ND	ND	ND
4-Nitroaniline	PPB	5	ND	ND	ND	ND
4-Nitrophenol	PPB	NA	ND	ND	ND	ND
Acenaphthene	PPB	20	ND	ND	ND	ND
Acenaphthylene	PPB	NA	ND	ND	ND	ND
Acetophenone	PPB	NA	ND	ND	ND	ND
Aniline	PPB	NA	ND	ND	ND	ND
Anthracene	PPB	50	ND	ND	ND	ND
Atrazine	PPB	NA	ND	ND	ND	ND
Azobenzene	PPB	NA	ND	ND	ND	ND
Benzaldehyde	PPB	NA	ND	ND	ND	ND
Benzidine	PPB	NA	ND	ND	ND	ND
Benzo(a)anthracene	PPB	0.002	ND	ND	ND	ND
Benzo(a)pyrene	PPB	NA	ND	ND	ND	ND
Benzo(b)fluoranthene	PPB	0.002	ND	ND	ND	ND
Benzo(g,h,i)perylene	PPB	NA	ND	ND	ND	ND
Benzo(k)fluoranthene	PPB	0.002	ND	ND	ND	ND
Benzoic acid	PPB	NA	ND	ND	ND	ND
Benzyl alcohol	PPB	NA	ND	ND	ND	ND
Biphenyl	PPB	NA	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	PPB	NA	ND	ND	ND	ND
Bis(2-chloroethyl)ether	PPB	NA	ND	ND	ND	ND

102-14 Liberty Avenue and  
102-16 Liberty Avenue, Queens, NY  
Block 9523, Lot(s) 4 5  
OER Project Number 14EH-N350Q  
Semi Volatile Organic Chemicals (SVOCs) for Groundwater  
EPA Method 8270  
Table 7

Client SampleID:		NYS	MW-1	MW-2	MW-3	Field Blank
		Groundwater Standards				
			2/4/2014	2/4/2014	2/4/2014	2/4/2014
<b>Sampling Date:</b>						
<b>Analyte</b>	<b>Units</b>	<b>Limits</b>				
Bis(2-chloroisopropyl)ether	PPB	NA	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	PPB	5	ND	ND	ND	ND
Butyl benzyl phthalate	PPB	NA	ND	ND	ND	ND
Caprolactam	PPB	NA	ND	ND	ND	ND
Carbazole	PPB	NA	ND	ND	ND	ND
Chrysene	PPB	0.002	ND	ND	ND	ND
Dibenzo(a,h)anthracene	PPB	NA	ND	ND	ND	ND
Dibenzofuran	PPB	NA	ND	ND	ND	ND
Diethyl phthalate	PPB	NA	ND	ND	ND	ND
Dimethyl phthalate	PPB	NA	ND	ND	ND	ND
Di-n-butyl phthalate	PPB	50	ND	ND	ND	ND
Di-n-octyl phthalate	PPB	50	ND	ND	ND	ND
Fluoranthene	PPB	50	ND	ND	ND	ND
Fluorene	PPB	50	ND	ND	ND	ND
Hexachlorobenzene	PPB	0.04	ND	ND	ND	ND
Hexachlorobutadiene	PPB	0.5	ND	ND	ND	ND
Hexachlorocyclopentadiene	PPB	5	ND	ND	ND	ND
Hexachloroethane	PPB	5	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	PPB	0.002	ND	ND	ND	ND
Isophorone	PPB	50	ND	ND	ND	ND
Naphthalene	PPB	10	ND	ND	ND	ND
Nitrobenzene	PPB	0.4	ND	ND	ND	ND
N-Nitrosodimethylamine	PPB	NA	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	PPB	NA	ND	ND	ND	ND
N-Nitrosodiphenylamine	PPB	50	ND	ND	ND	ND
Parathion	PPB	NA	ND	ND	ND	ND
Pentachlorophenol	PPB	NA	ND	ND	ND	ND
Phenanthrene	PPB	50	ND	ND	ND	ND
Phenol	PPB	NA	ND	ND	ND	ND
Pyrene	PPB	50	ND	ND	ND	ND
Pyridine	PPB	50	ND	ND	ND	ND

*Notes:*

*ND - Not detected*

*\*- Guidance Value*

*B- Detected in Blank*

*J- Laboratory Estimated Concentration*

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

Pesticides (Method 8021)  
 Table 8

Client SampleID:		NYS Groundwater Standards			MW-1	MW-2	MW-3	Field Blank
<b>Sampling Date:</b>				<b>2/4/2014</b>	<b>2/4/2014</b>	<b>2/4/2014</b>	<b>2/4/2014</b>	
<b>Analyte</b>	<b>Units</b>	<b>Limits</b>						
4,4'-DDD	PPB	0.3		ND	ND	ND	ND	
4,4'-DDE	PPB	0.2		ND	ND	ND	ND	
4,4'-DDT	PPB	0.2		ND	ND	ND	ND	
Aldrin	PPB	0.001		ND	ND	ND	ND	
alpha-BHC	PPB	0.01		ND	ND	ND	ND	
beta-BHC	PPB	0.04		0.025J	ND	ND	ND	
Chlordane	PPB	0.05		ND	ND	ND	ND	
Chlorobenzilate	PPB	NA		ND	ND	ND	ND	
DBCP	PPB	NA		ND	ND	ND	ND	
delta-BHC	PPB	0.04		ND	ND	ND	ND	
Dieldrin	PPB	0.004		ND	<b>0.013J</b>	ND	ND	
Endosulfan I	PPB	0.009		ND	ND	ND	ND	
Endosulfan II	PPB	0.009		ND	ND	ND	ND	
Endosulfan sulfate	PPB	0.009		ND	ND	ND	ND	
Endrin	PPB	ND		ND	ND	ND	ND	
Endrin aldehyde	PPB	5		ND	ND	ND	ND	
Endrin ketone	PPB	5		ND	ND	ND	ND	
gamma-BHC	PPB	0.05		ND	ND	ND	ND	
Heptachlor	PPB	0.04		ND	ND	ND	ND	
Heptachlor epoxide	PPB	0.03		ND	ND	0.012J	ND	
Hexachlorobenzene	PPB	0.04		0.031J	ND	ND	ND	
Hexachlorocyclopentadiene	PPB	5		ND	ND	ND	ND	
Methoxychlor	PPB	35		ND	ND	ND	ND	
Toxaphene	PPB	0.06		ND	ND	ND	ND	

Notes:

ND - Not detected

J- Laboratory Estimated Concentration

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 5  
 OER Project Number 14EH-N350Q

PCBs as AROCLORS- METHOD 8082  
 Table 9

Client SampleID:		NYS Groundwater Standards				MW-3	MW-4	Field Blank
		MW-1	MW-2					
<b>Sampling Date:</b>			2/4/2014	2/4/2014	2/4/2014	2/4/2014	2/4/2014	
<b>Analyte</b>	<b>Units</b>	<b>Limits</b>						
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

102-14 Liberty Avenue and  
102-16 Liberty Avenue, Queens, NY  
Block 9523, Lot(s) 4 5  
OER Project Number 14EH-N350Q

TAL Metals Analysis- Groundwater  
Table 10

Client SampleID:		NYS Groundwater Standards	MW-1		MW-2		MW-3		Field Blank
			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Sampling Date:			2/4/2014	2/4/2014	2/4/2014	2/4/2014	2/4/2014	2/4/2014	2/4/2014
Analyte	Units	Limits							
Aluminum	PPM	NA	5.02	0.00535J	2.31	ND	13.9	ND	ND
Antimony	PPM	0.003	ND	ND	ND	ND	ND	ND	ND
Arsenic	PPM	0.025	ND	ND	ND	ND	ND	ND	ND
Barium	PPM	1	0.165	0.133	0.127	0.124	0.196	0.0590	ND
Beryllium	PPM	0.003	ND	ND	ND	ND	ND	ND	ND
Cadmium	PPM	0.005	ND	ND	ND	ND	ND	ND	ND
Calcium	PPM	NA	33.2	35.0	21.2	22.7	9.82	7.10	0.0828
Chromium	PPM	0.05	0.0442	ND	0.0172J	ND	<b>0.0876</b>	ND	ND
Cobalt	PPM	NA	ND	ND	ND	ND	0.00738J	ND	ND
Copper	PPM	0.2	0.0239	ND	0.0145J	ND	0.0480	ND	ND
Iron	PPM	0.3	<b>16.4</b>	0.0141J	<b>4.92</b>	0.00778J	<b>28.8</b>	0.00822J	ND
Lead	PPM	0.025	0.00814J	ND	ND	ND	0.0172	ND	ND
Magnesium	PPM	35	6.11	4.76	3.87	3.41	5.46	1.38	0.0151J
Manganese	PPM	0.3	<b>1.08</b>	<b>0.520</b>	<b>0.876</b>	<b>0.719</b>	<b>2.04</b>	<b>0.686</b>	ND
Mercury	PPM	0.0007	ND	ND	ND	ND	ND	ND	ND
Nickel	PPM	0.1	0.0293	ND	0.0109J	ND	0.0433	ND	ND
Potassium	PPM	NA	6.53	6.37	4.73	5.37	5.23	3.23	ND
Selenium	PPM	0.01	ND	ND	ND	ND	ND	ND	ND
Silver	PPM	0.05	ND	ND	ND	ND	ND	ND	ND
Sodium	PPM	20	<b>28.7</b>	<b>33.2</b>	<b>30.2</b>	<b>34.5</b>	17.1	19.2	0.0473
Thallium	PPM	0.0005	ND	ND	ND	ND	ND	ND	ND
Vanadium	PPM	NA	0.0121J	ND	ND	ND	0.0351	ND	ND
Zinc	PPM	2	0.0638	0.00690J	0.0336	ND	0.0886	ND	ND

Notes:

ND - Not detected

J- Laboratory Estimated Concentration

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 and 5  
 OER Project Number 14EH-N350Q

Table 11  
 Vapor Sampling

<b>Sample ID</b>	<b>VP-1</b>	<b>VP-2</b>	<b>VP-3</b>	<b>VP-4</b>
Lab Sample Number	<b>F1310-01</b>	<b>F1310-02</b>	<b>F1310-03</b>	<b>F1310-04</b>
Sampling Date	<b>1/30/2014</b>	<b>1/30/2014</b>	<b>1/30/2014</b>	<b>1/30/2014</b>
Matrix	<b>Air</b>	<b>Air</b>	<b>Air</b>	<b>Air</b>
Units	<b>Ug/M3</b>	<b>Ug/M3</b>	<b>Ug/M3</b>	<b>Ug/M3</b>
COMPOUND				
Dichlorodifluoromethane	2.77	2.92	2.77	2.77
Chloromethane	ND	0.640J	0.210J	0.780J
Vinyl Chloride	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Chloroethane	ND	0.290J	ND	ND
Tetrahydrofuran	0.590J	ND	0.560J	0.380J
Trichlorofluoromethane	1.80J	1.57J	1.80J	2.70 J
1,1,2-Trichlorotrifluoroethane	0.770J	0.690J	0.770J	0.690J
Dichlorotetrafluoroethane	ND	ND	ND	ND
Bromoethene	ND	ND	ND	ND
tert-Butyl alcohol	1.7	ND	1.09J	0.760J
Heptane	18	5.74	11.5	3.61
1,1-Dichloroethene	ND	ND	ND	ND
Acetone	<b>205D</b>	18.5	<b>181D</b>	<b>101D</b>
Carbon Disulfide	1.62	4.98	2.9	1.03J
Methyl tert-Butyl Ether	ND	ND	ND	ND
Methylene Chloride	2.71	3.82	4.86	4.52
trans-1,2-Dichloroethene	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
Cyclohexane	1.00J	0.760J	0.720J	0.720J
2-Butanone	6.19	ND	5.6	4.13
Carbon Tetrachloride	0.250 J	0.250J	0.190 J	0.250J
cis-1,2-Dichloroethene	ND	ND	ND	ND
Chloroform	1.66J	0.490J	0.540J	ND
1,1,1-Trichloroethane	0.600J	0.220J	0.490J	ND
2,2,4-Trimethylpentane	1.17J	0.930J	0.750J	0.610J
Benzene	6.07	2.84	3.83	2.3
1,2-Dichloroethane	ND	ND	ND	ND
Trichloroethene	0.480J	ND	0.110J	ND
1,2-Dichloropropane	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND
4-Methyl-2-Pentanone	1.15J	ND	1.52J	ND
Toluene	99.1D	28.3	73.1D	27.1
t-1,3-Dichloropropene	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND
Tetrachloroethene	<b>34.6</b>	5.9	21.7	1.70J
Chlorobenzene	ND	ND	ND	ND
Ethyl Benzene	24.3	2.22	20	4.78
m/p-Xylene	87.7	7.38	76	18.2
o-Xylene	23.9	2.00J	21.7	5.21
Styrene	0.430J	ND	ND	ND
Bromoform	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND

102-14 Liberty Avenue and  
 102-16 Liberty Avenue, Queens, NY  
 Block 9523, Lot(s) 4 and 5  
 OER Project Number 14EH-N350Q

Table 11  
 Vapor Sampling

Sample ID	VP-1	VP-2	VP-3	VP-4
Lab Sample Number	F1310-01	F1310-02	F1310-03	F1310-04
Sampling Date	1/30/2014	1/30/2014	1/30/2014	1/30/2014
Matrix	Air	Air	Air	Air
Units	Ug/M3	Ug/M3	Ug/M3	Ug/M3
COMPOUND				
2-Chlorotoluene	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2.51	ND	3.24	0.640J
1,2,4-Trimethylbenzene	8.36	ND	12.8	2.41J
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Hexachloro-1,3-Butadiene	ND	ND	ND	ND
1,3-Butadiene	ND	ND	ND	ND
Naphthalene	ND	ND	0.680J	ND
4-Ethyltoluene	7.87	ND	8.85	1.62J
Hexane	7.05	4.23	4.58	2.78
Allyl Chloride	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND
Methyl Methacrylate	ND	ND	ND	ND

**Qualifiers**

- U - The compound was not detected at the indicated concentration.
- N (Organics) - Presumptive Evidence of a Compound
- N (Inorganics) - The matrix spike recovery was outside control limits
- 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%.
- \* (Organics) - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- \* (Inorganics) - The sample/duplicate %RPD was above the control limit.
- 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.
- Q - indicates LCS control criteria did not meet requirements.
- NR - Not analyzed

102-14 Liberty Avenue and  
102-16 Liberty Avenue, Queens, NY  
Block 9523, Lot(s) 4 5  
OER Project Number 14EH-N350Q

Construction Details for Soil Borings and Monitoring Wells  
Table 12

	Identification Number	Date of construction	Total Depth	Diameter	Ground surface elevation	Screened interval (Elevation Range)	Construction Material	GPS Coordinates
Soil Borings	B-1	1/29/2014	11'	2"	--	0-5'	--	40°40'53.15"N 73°50'16.96"W
	B-2	1/30/2014	6'	2"	--	0-5'	--	40°40'52.50"N 73°50'16.78"W
	B-3	1/30/2014	6'	2"	--	0-5'	--	40°40'52.73"N 73°50'15.99"W
	B-4	1/29/2014	15'	2"	--	0-5'	--	40°40'52.98"N 73°50'17.11"W
	B-5	1/29/2014	5'	2"	--	0-5'	--	40°40'52.84"N 73°50'16.92"W
	B-6	1/30/2014	6'	2"	--	0-5'	--	40°40'53.17"N 73°50'16.29"W
	B-7	1/30/2014	5'	2"	--	0-5'	--	40°40'52.90"N 73°50'16.52"W
Monitoring Wells	B-1 / MW-1	1/29/2014	35'	2"	30.39'	25-35'	PVC	40°40'53.15"N 73°50'16.96"W
	B-2 / MW-2	1/30/2014	35'	2"	32.27'	25-35'	PVC	40°40'52.50"N 73°50'16.78"W
	B-3 / MW-3	1/30/2014	35'	2"	31.19'	25-35'	PVC	40°40'52.73"N 73°50'15.99"W

102-14 Liberty Avenue and  
102-16 Liberty Avenue, Queens, NY  
Block 9523, Lot(s) 4 5  
OER Project Number 14EH-N350Q

Water levels  
Table 13

<b>Monitoring Well ID</b>	<b>Date</b>	<b>Water Elevation*</b>
MW-1	2/4/2014	4.79'
MW-2	2/4/2014	5.79'
MW-3	2/4/2014	3.69'
*- feet, relative to a common datum		

## **Appendix A**

**Phase 1 Report by Hydro Tech Environmental  
Corp.**



# Hydro Tech Environmental, Corp.

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## PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

102-16 Liberty Avenue  
Queens, NY  
Block 9523, Lot 5



Prepared For:

Mr. Joseph Yunason  
Reda Group, LTD  
70-13 Austin Street  
Forest Hills, NY 11375

January 22, 2013

Hydro Tech Job No. 130002

**PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**

Liberty Avenue  
Block 9523, Lot 5  
Queens, NY

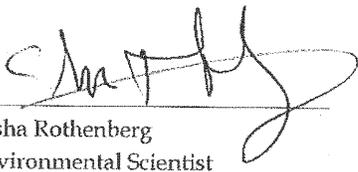
January 22, 2013

Hydro Tech Environmental, Corp. appreciates the opportunity to work for the Reda Group LTD. at the property located at Block 9523, Lot 5, Liberty Avenue, Queens, New York.

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

We declare that, to the best of my professional knowledge and belief, HTE personnel meet the definition of an environmental professional as defined in §312.10 of 40 C.F.R. 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Very Truly Yours,  
Hydro Tech Environmental, Corp.

X   
Sasha Rothenberg  
Environmental Scientist

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

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- D. City Directory Search
- E. Database Search Results
- F. Credentials

## 1.0 EXECUTIVE SUMMARY

Hydro Tech Environmental, Corp. (Hydro Tech) has performed a Phase I Environmental Site Assessment (Phase I ESA) at the Subject Property located at Block 9523, Lot 5, Liberty Avenue, Queens, New York. The Phase I ESA was performed to meet or surpass the American Standard of Testing Materials Standard for Phase I Environmental Site Assessments E 1527-05. The purpose of the assessment was to characterize the environmental quality of the Subject Property through the identification of Recognized Environmental Conditions. All work was performed under the supervision of a Hydro Tech Project Manager and under the guidance of a Hydro Tech geologist.

The results of the Phase I Environmental Site Assessment are contained in this report. The Phase I Environmental Site Assessment has revealed the following Recognized Environmental Condition(s) at the Subject Property:

- The presence of a suspect drywell (4.0).
- The historical use of the property for used automobile sales (6.0).

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

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

## 2.0 INTRODUCTION & SCOPE OF WORK

### 2.1 Introduction

Hydro Tech Environmental, Corp. (Hydro Tech, the “*Preparer*”) has been retained by Reda Group LTD. (the “*User*”) to perform a Phase I Environmental Site Assessment at the property located at Block 9523, Lot 5, Liberty Avenue, Queens, New York. The User is the “*Prospective Buyer*” of the property. The Phase I was prepared for due diligence purposes towards a purchase transaction of the property. The property will hereafter be referred to as the “*Subject Property*”.

The purpose of a Phase I Assessment is to characterize the environmental quality of the Subject Property through the determination of the presence of Recognized Environmental Conditions (RECs). As defined by the American Society of Testing and Materials (ASTM), a REC is, “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property” (ASTM E 1527-05, §1.1.1).

To this end, Hydro Tech has collected information through a number of sources including, but not limited to: a property and neighborhood inspection by trained environmental personnel, a review of historical and current information collected from various federal, state, county and municipal agencies and personnel interviews with Site representatives. Recommendations are offered where prudent. Firms subcontracted by Hydro Tech and the User may have collected some information used in this report. Some or all of the Assessment has been performed or supervised by environmental professionals as required by 40 CFR Part 310. The procurement of Title and Judicial Records for Environmental Liens and/or Activity and Use Limitations (“AULs”) by HTE is beyond the scope of this practice (ASTM E1527-05) and investigation.

### 2.2 Scope of Work

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

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

The Phase I ESA was performed in accordance with ASTM E 1527 except where noted in Section 2.3 and Hydro Tech’s Proposal. As required by ASTM, the User has supplied information that has been relied upon by Hydro Tech in the rendering of findings, conclusions and opinions, except where indicated in Section 2.3 or elsewhere in the report.

### 2.3 Limitations, Deviations and Exceptions

In addition to those items outlined by ASTM E 1527, asbestos, radon, lead-based paint and lead in water were also considered in the scope of work. While this Phase I Assessment provides information with respect to both asbestos and lead-based paint, the presence of these materials can only be confirmed through the collection and analysis of bulk samples.

This report is not intended to serve as a full asbestos survey or lead-based paint survey. These surveys are commonly performed for the purpose of building demolition/renovation or the recognition/identification of any building materials that may contain asbestos or lead-based paint and it is recommended that they be performed prior to any such work.

Business Environmental Risks have not been considered and are not included in the scope of work. This Phase I Assessment is not intended to address the soil/groundwater quality at the Subject Property for general Site characterization or waste disposal purposes. This Phase I Assessment is not intended to evaluate the fair market price of the property if it is not affected by hazardous or petroleum products.

Portions of this report have been prepared utilizing information provided by third party sources or the user. As such, Hydro Tech relies upon these sources and has recorded findings, conclusions and opinions based upon this information. Hydro Tech cannot attest to the accuracy of this information but where possible had attempted to verify the information.

This Phase I ESA Report is not intended to serve or be construed as a regulatory compliance report for the property. No legal opinions are provided with this report.

It should be noted that the USEPA has determined in their final ruling (40 C.F.R. Part 312, Standards and Practices for All Appropriate Inquiries) of November 1, 2005 that "persons conducting all appropriate inquiries may use the procedures included in the ASTM E1527-05 standard to comply with today's final rule." Therefore, while all appropriate inquiry could be considered satisfied as this ESA was prepared in exceedances(s) of the ASTM E1527-05 standard, persons attempting to utilize this ESA while seeking one of CERCLA's LLPs must note that; a) they will not maintain CERCLA liability protections unless they also comply with all of the continuing obligations established under the statute that are beyond the scope of this practice (ASTM E1527-05) and investigation; and b) in order to qualify for one of the CERCLA LLPs, the person commissioning the Phase I Environmental Site Assessment must have provided site-specific information (if available) to Hydro Tech before the date of this ESA, otherwise a determination could be made that all appropriate inquiry is not complete.

### 3.0 SUBJECT PROPERTY DESCRIPTION

#### 3.1 Subject Property Vicinity

The Subject Property is located at the southwest corner of the intersection of Liberty Avenue and 103<sup>rd</sup> Street in the borough of Queens, New York. The borough of Queens is situated in the eastern portion of New York City.

The vicinity of the Subject Property consists of commercial and residential properties. The ground surfaces in the vicinity of the Site consist of asphalt, bare soil and concrete.

#### 3.2 Subject Property Description

The address of the Subject Property is identified as 106-12 Liberty Avenue, Queens, NY. The Subject Property is approximately 9,721 square feet in area and consists of a parking area for trucks used by Moveco Moving Services. A chain link fences runs along the perimeter of the Subject Property. The ground surface consists of asphalt. A steel storage container with a length of approximately 21 feet is located in the south central portion of the Subject Property. According to the site contact, the container holds various packing materials.

Access to the Subject Property is via Liberty Avenue to the north. The Subject Property is not connected to municipal water, gas, sewer and electric services.

The topography of the Subject Property and its vicinity is generally level. **Figure 1** provides a Site Plan.

#### 3.3 Adjacent Land Use

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

Direction	Adjacent Parcel	Surrounding Parcels
North	3-story residential 3-story residential/commercial (Moveco Moving Services)	Residential
South	2-story residential	Residential / Commercial
East	2-story residential 3-story residential/commercial (Samy's Quick Stop)	Residential
West	2-story residential	Residential / Commercial

Hydro Tech does not believe that the present uses of the adjacent properties identified above should impact upon the environmental quality of the Subject Property.

#### 3.4 Proximity to Environmentally Sensitive Areas

The results of the Site inspection and an evaluation of the United States Geological Survey (USGS) 7-1/2 Minute Topographic Map containing the properties indicate there is one sensitive receptor present within a 0.125-mile radius of the Subject Property. This receptor is identified as John Adams High School and is located approximately 600 feet south of the Subject Property. This receptor should not be impacted by the Subject Property.

### 3.5 Environmental Setting

The Site is located in the southern portion of the borough of Queens, New York. The elevation of the Subject Property is approximately 35 feet above mean sea level (USGS 7 1/2-Minute Brooklyn, New York Quadrangle, 1969, Photorevised 1995).

Queens, New York is located in the western portion of Long Island. Long Island consists of a wedge-shaped mass of unconsolidated deposits that overlie ancient basement rock. The thickness of these deposits ranges from approximately 100 feet on the Island's north shore to approximately 2,000 feet in some portions of the south shore. These deposits contain ground water that is the sole source of drinking water for the Island's over 3.1 million residents.

The major landforms of Long Island of importance to the hydrologic system are the moraines and outwash plains, which originated from glacial activity. The moraines represent the farthest extent of the glacial advances. The moraines consist of till, which is a poorly sorted mixture of sand, silt, clay, gravel and boulders. The till is poor to moderately permeable in most areas. Outwash plains are located to the south of the moraines. The outwash plains were formed by the action of glacial melt water streams, which eroded the headland material of the moraines and laid down deposits of well-sorted sands, silts and gravels. These outwash deposits have a moderate to high permeability.

The **Upper Glacial Aquifer** is the uppermost hydrogeologic unit. This aquifer encompasses the moraine and outwash deposits, in addition to some localized lacustrine, marine, and reworked materials. A relatively high horizontal hydraulic conductivity and a low vertical hydraulic conductivity characterize the outwash plain portion of this unit. Since the water table is situated in the Upper Glacial Aquifer.

The **Magothy Formation** directly underlies the Upper Glacial Aquifer in the vicinity of the site. This formation is a Cretaceous coastal-shelf deposit, which consists principally of layers of sand and gravel with some interbedded clay. This formation ranges from moderate to highly permeable. A clay layer in some parts of Long Island confines the uppermost portion of the aquifer. The Magothy is Long Island's principal aquifer for public water supply. The United States Environmental Protection Agency (USEPA) has classified the Long Island aquifer system as a sole source aquifer.

The **Raritan Formation** is the deepest unit and rests directly above the bedrock units. This formation is comprised of a sand member (**Lloyd Aquifer**) and a clay member (**Raritan Clay**). The Lloyd sand extends southward from Flushing Bay to the Atlantic Ocean. The thickness of the sand member ranges in depth from 200 to 800 feet below sea level and increases in thickness to the southeast. The clay member acts as an aquitard confining the lower Lloyd aquifer between the clay and the underlying bedrock.

Long Island has a humid, temperate climate that is strongly influenced by the Long Island Sound and the Atlantic Ocean. These bodies of water temper extremes of heat in summer and cold in winters. Climate affects the formation of soil through its influence on chemical, biological and physical processes. The amount and content of rainwater, as it percolates through the soil, chemically alters the composition of the soils. Chemical and biological processes are also affected by temperature changes. The physical weathering of the soil and rocks is affected by freezing.

The soils of Long Island are relatively young, having developed since the last recession of glaciation approximately 25,000 years ago. Over thousands of years, the minerals in the bedrock debris slowly decayed and disintegrated, providing the necessary substrate to support biological activity. Rock-forming minerals such as feldspars and micas, that are rich in potassium and aluminum, release their important elements as they are converted to clays. Soils formed in glacial drift are commonly known as loam, a mixture of sand, silt and clay.

The soils of Long Island formed three distinct soil horizons or zones on glacial deposits. The lowest horizon, designated as the C-horizon, is similar in composition to the transported glacial rock debris.

The B-horizon is above the C-horizon and consists of sediments that have been considerably altered from their C-horizon source. Vadose zone water percolates through the B-horizon, carrying compounds of clay, iron, aluminum oxides, carbonates and humic acid. These materials are redeposited within the lower portions of the B-horizon, and form the zone of accumulation. The zone of accumulation may also be the zone of ground water saturation.

The zone of leaching is found in the A-horizon, which is the upper, organic-rich and life sustaining layer with abundant roots and organic matter at the surface. The A-horizon is distinct from the underlying B & C-horizons because it is darker and more friable.

Differentiation in soil horizons are the result of various soils-forming processes such as the physical breakdown of particles, the leaching of salts, the accumulation of organic matter and the chemical weathering of primary minerals. The chemical weathering of primary minerals occurs through processes such as chelation, the formation of silicate clay minerals and the translocation of silicate clay minerals by percolating water from one horizon to another and the accumulation of iron.

The depth to groundwater in the vicinity of the Site is estimated in excess of 20 feet. The groundwater flow direction in the vicinity of the Site is toward the south in the direction of the Jamaica Bay.

#### 4.0 SITE RECONNAISSANCE

Mr. Mark E. Robbins of Hydro Tech performed the site reconnaissance portion of the Phase I Assessment on January 14, 2013. The weather during the inspection was cloudy and approximately 45 degrees Fahrenheit. *Appendix A* provides photographs of the Subject Property.

Hydro Tech inspected all accessible portions of the Subject Property. The interior of the building was not available for inspection. The following pertinent information was obtained during the Subject Property Reconnaissance:

1. Industrial Processes:

No industrial processes were observed at the Subject Property. No evidence of historical industrial processes was observed at the Subject Property.

2. Suspect Asbestos-Containing Materials:

No visual evidence of suspect asbestoscontaining material (ACM) was identified at the Subject Property.

3. Suspect Lead-Based Paint:

No painted surfaces were identified at the Subject Property.

4. Drum Storage Areas:

No current or former drum storage areas were observed at the Subject Property.

5. Storage Tanks:

No visual evidence of underground storage tanks (USTs) or aboveground storage tanks (ASTs) was identified at the Subject Property. No evidence of former ASTs or USTs was identified at the Subject Property.

6. Subsurface Drainage Structures/Drains:

A steel cover was observed covered a likely storm water drywell. At the time of inspection no access was available to the interior of the suspect drywell. Due to the historical operations at the Subject Property, unauthorized releases of hazardous materials and/or petroleum products may have adversely impact upon the environmental quality of the drywells and they should be considered a REC.

A likely former sewer trap/clean out was observed in the northwest corner of the Subject Property. This former sewer trap/cleanout should not impact upon the environmental quality of the Subject Property.

No subsurface drainage structures such as leaching pools or cesspools were observed at the Subject Property. No floor drains were observed at the Subject Property. No evidence of former subsurface drainage structures was observed at the Subject Property.

No further evidence of current or former septic/waste water/storm water discharge systems is identified at the Subject Property. The Subject Property is located in a well-served area in the New York City with a publicly managed combined sewer system.

7. PCB-Containing Equipment:

No PCB-containing equipment was identified at the Subject Property.

8. Monitoring / Potable Water Wells:

No potable water wells were observed at the Subject Property.

The Subject Property does not utilize wells for the generation of potable water.

No monitoring wells were identified on the adjacent properties.

9. Mold

No visual evidence of mold was identified at the Subject Property.

10. Pits, Ponds, or Lagoons:

No waste disposal pits, ponds, or lagoons were observed at the Subject Property. No evidence of former pits, ponds, pools of liquid or lagoons were observed at the Subject Property.

11. Wetlands

No evidence of wetlands or wetlands growth is identified at the Subject Property. The location of the Subject Property and its vicinity do not appear in the USA National Wetlands Inventory.

12. Distressed Vegetation:

No distressed vegetation was observed at the Subject Property.

13. Fill / Land Disposal / Solid Waste:

No visual areas of fill or evidence of land disposal of solid waste material(s) were observed at the Subject Property.

14. Engineering Controls:

No engineering controls were noted at the Subject Property.

15. Odors/Air Emissions:

No odors indicative of a petroleum, chemical or hazardous substance spill or release were identified at the Subject Property. No evidence of air emissions or air emission equipment was identified at the Subject Property.

16. Hazardous Substance / Petroleum Containers:

No evidence of suspect hazardous substance or other petroleum containers were identified at the Subject Property.

17. Radon:

USEPA's recommended action level is 4 picoCuries/liter and the average radon gas concentrations predicted in the Queens area is 0.3 picoCuries/liter. Since Queens is located in a Low Radon Potential area, radon gas should not be represent a potential environmental concern that would warrant the sampling for radon gas at the Subject Property.

## 5.0 REGULATORY AGENCY DOCUMENTS

Freedom of Information Act (FOIA) requests were issued to the following regulatory agencies with respect to the Subject Property. All reasonably ascertainable municipal records are provided with this report.

*Appendix B* provides copies of the regulatory agency documents.

- New York City Department of City Planning
- New York City Department of Building
- New York City Department of Housing Preservation and Development
- New York City Department of Health
- New York City Bureau of Fire Department
- New York State Department of Environmental Conservation
- New York City Department of Environmental Protection

### *New York City Department of City Planning*

The Department of City Planning indicated the Subject Property is addressed as 102-16 Liberty Avenue, Queens, New York. The New York City Zoning Department indicated that the Subject Property is "R4" with a commercial overlay of "C2-2". The Little "E" Restriction is listed as "Not Applicable". The Tax Map number for the Subject Property is Block 9523, Lot 5.

### *New York City Department of Building*

A FOIA request was submitted to the New York City Department of Building (NYCDOB). The NYCDOB indicates that there are three complaints (none open), no DOB violations and three Environmental Control Board (ECB) violations (3 open) listed for the Subject Property. The complaints relate to trucks parked on the sidewalk, unsafe fencing and the storage of wrecked cars in the lot. Two of the 3 open ECB violations are related to barbed fencing along the perimeter of the Subject Property. The remaining open ECB violation is dated September 1990 indicates the use of the Subject Property for unauthorized used automobile sale is contrary to that allowed in the Certificate of Occupancy (CO). The Department of Finance Occupancy Code is listed as "G6-Garage/gas station".

The NYCDOB records further indicate there are no jobs and 2 actions listed for the Subject Property. The actions include alteration and CO. A CO dated June 1962 indicates the use of the Subject Property for accessory parking of 32 motor vehicles.

### *New York City Department of Housing Preservation and Development*

A FOIA request was submitted to the New York City Department of Housing Preservation and Development (NYCHPD) on January 15, 2013. The NYCHPD indicated that they do not maintain a file on the Subject Property.

### *New York City Department of Health*

A FOIA request was submitted to the New York City Department of Health (NYCDOH). As of the date of this report, the NYCDOH has not provided any information pertaining to our FOIA request. Any information provided by the NYCDOH will be provided as soon as it has been received and evaluated.

### *New York City Bureau of Fire Prevention*

A FOIA request was submitted to the New York City Bureau of Fire Prevention (NYCBFP). The NYCBFP was contacted via telephone to obtain the status of the FOIA request. As of the date of this report, the NYCBFP has not responded to our initial search request or subsequent follow-up calls. Any information provided by the NYCBFP will be provided as soon as it has been received and evaluated.

*New York State Department of Environmental Conservation*

A FOIA request was submitted to the New York State Department of Environmental Conservation (NYSDEC) on January 11, 2013. The NYSDEC has not provided any information pertaining to our FOIA request. Any information provided by the NYSDEC will be provided as soon as it has been received and evaluated.

*New York City Department of Environmental Protection*

A FOIA request was submitted to the New York City Department of Environmental Protection (NYCDEP) on January 11, 2013. The NYSDEC has not provided any information pertaining to our FOIA request. Any information provided by the NYSDEC will be provided as soon as it has been received and evaluated.

## 6.0 SITE HISTORY

### 6.1 Sanborn Maps

Sanborn Fire Rate Insurance Maps for the Subject Property and its vicinity dated 1901, 1911, 1927, 1950, 1966, 1969, 1970, 1980, 1983, 1985, 1987, 1988, 1990, 1991, 1992, 1993, 1995, 1996, 1999, 2001, 2002, 2003, 2004, 2005, and 2006 were obtained from EDR and evaluated in order to establish the history of the Site. *Appendix C* provides a copy of the Sanborn Fire Rate Insurance Maps.

Date	Subject Property Shown As	Surrounding area
1901-1988	Vacant lot	Residential and commercial buildings
1990-2006	Used auto sales	

### 6.2 City Directory Search

In order to further assess the property's history, available City Directory files were obtained from EDR for review. The City Directories document known occupants of specific properties and sorted by individual addresses. *Appendix D* provides a copy of the City Directory Search.

The following provides a listing of all documented usages of the addresses 102-16 Liberty Avenue:

Date	Use of Subject Property	Surrounding Property Use
1991	Anthony's Auto Sales	Residential & commercial

### 6.3 Previous Studies

Hydro Tech was not provided with any copies of previous studies or other environmental reports pertaining to the Subject Property.

### 6.4 Previous Owners

According to the property listing on Property Shark, the following provides a list of historical owners of the Site.

YEAR	NAME OF PREVIOUS OWNER
2009 - 2012	Liberty Avenue Development LLC

### 6.5 Historical Use Summary

Based on a review of available information provided and/or obtained for the Subject Property as of the date of this ESA, it appears that the Subject Property was vacant from 1901 through 1988. The historical map records indicate that the Subject Property was utilized for used auto sales from 1990 to 2006, but no building has ever existed at the Subject Property. Operations involving used auto sales often utilize petroleum and/or hazardous materials, the discharge of which may have adversely impacted upon the environmental quality of the Subject Property. The historical use of the Subject Property for used auto sales should be considered a REC.

Numerous data gaps (maximum 23 years) were noted in the historical map review. Due to other historical information obtained over the course of this investigation, Hydro Tech does not consider this data failure/data gap significant, as it appears unlikely to have affected potential Recognized Environmental Conditions at the subject site.

## 7.0 NEIGHBORHOOD HAZARDOUS WASTE DATABASES

Federal, State, Local and Tribal hazardous waste databases were reviewed with respect to the Subject Property and surrounding properties. The search areas for each database were specified by ASTM E 1527. In addition, all orphan sites (those without adequate information for mapping purposes) listed in the database search were also reviewed, evaluated and incorporated (as needed). *Appendix D* provides a copy of the Database Search Results. The following databases, with the appropriate search radius, were reviewed:

ASTM Standard Environmental Record Source	Approx. ASTM Minimum Search Distance (MSD)	Number of Mapped Sites within MSD	Number of Orphan Sites
1. NPL (Superfund) <i>National Priorities List</i>	1.0 Mile	0	0
2. Delisted NPL Site <i>Delisted National Priorities List Site</i>	0.5 Mile	0	0
3. CERCLIS <i>Comprehensive Environmental Response Compensation &amp; Liability Information System</i>	0.5 Mile	0	0
4. CERCLIS NFRAP <i>CERCLIS No Further Remedial Action Planned Site</i>	0.5 Mile	1	0
5. RCRA-TSD CORRACTS <i>Resource Conservation &amp; Recovery Treatment/Storage/Disposal Facility Subject to Corrective Action</i>	1.0 Mile	0	0
6. RCRA-TSD <i>Resource Conservation &amp; Recovery Treatment/Storage/Disposal Facility (Non-Corrective Action)</i>	0.5 Mile	0	0
7. RCRA-LG <i>Resource Conservation &amp; Recovery Large Quantity Generator</i>	Site & Adjoining	0	3
8. RCRA-SG <i>Resource Conservation &amp; Recovery Small Quantity Generator</i>	Site & Adjoining	0	1
9. ERNS <i>Emergency Response Notification System</i>	Property Only	0	0
10. Local / State / Tribal UST, PBS <i>Registered Storage Tanks</i>	Site & Adjoining	0	0
11. Local / State / Tribal LTANKS <i>Leaking Underground Storage Tanks</i>	0.5 Mile	13	0
12. State Spill Incidents <i>NYSDEC Spill Sites</i>	0.125 Mile	6	0
13. Local / State / Tribal SWF <i>Solid Waste Facility / Landfill</i>	0.5 Mile	0	0
14. Local / State / Tribal CERCLIS <i>Inactive Hazardous Waste Disposal Site</i>	0.5 Mile	1	0
16. Inst. / Engineering Controls <i>Registry of Institutional and/or Engineering Controls</i>	Property Only	0	0
17. Voluntary Cleanup Program Sites <i>Local / State / Tribal VCP Sites</i>	0.5 Mile	0	0
18. Brownfield Sites <i>Local / State / Tribal Brownfield Sites</i>	0.5 Mile	0	0
19. Non-ASTM Record Source(s)	Not Applicable	No MSD has been established by ASTM for these sources	

The review and evaluation of the above Federal and State/Tribal/Local Databases indicates that the Subject Property is not identified in any of the databases.

One site is listed in the CERCLIS NFRAP database within a ½ mile radius of the Subject Property. This site is located over 2,500 feet to the southwest and downgradient of the Subject Property. Due to the proximity and location, this CERCLIS NFRAP site should not impact upon the environmental quality of the Subject Property.

Thirteen sites are listed in the Leaking Underground Storage Tanks (LUSTs) database within a ½ mile radius of the Subject Property. None of the 13 LUST sites are located adjacent to the Subject Property. Twelve of the 13 LUST sites have been cleaned up to the satisfaction of the NYSDEC and are considered closed. The remaining active LUST site is identified as the NYPD 106<sup>th</sup> Precinct which is located 527 feet northwest and upgradient of the Subject Property. Spill #0012662 was reported during February 2001 due to the failure of a 3,000-gallon fuel oil UST. An investigative report submitted to the NYSDEC dated November 2011 revealed significant soil impact and low-moderate groundwater impact. The NYSDEC has requested the installation to additional monitoring wells to determine the extent of the groundwater impact before preparing a remedial action plan. Due to the low groundwater impact and the proximity of the site, this LUST site should not impact upon the environmental quality of the Subject Property.

Six properties are listed in the NY Spills database within a 0.125-mile radius of the Subject Property. None of the spill sites are located adjacent to the Subject Property. All six spill sites have been cleaned up to the satisfaction of the NYSDEC and are considered closed. Therefore, none of the NY Spills sites should impact upon the environmental quality of the Subject Property.

One site is listed in the IHWS database within a ½ mile radius of the Subject Property. This site is located approximately 1290 feet to the northwest and upgradient of the Subject Property. Soil and groundwater contamination at this site is related to former aircraft part manufacturing operations, including the storage of spent Trichloroethene (TCE) used in de-greasing activities. Extensive investigative work has found that a groundwater plume of chlorinated solvents extends several hundred feet south of the site. A remedial design/remedial action plan was approved by the NYSDEC in January 2011. The presence of remedial plans for the site suggests that the extent of the impact has been determined. Based upon this and its proximity to the Site, this IHWS should not impact upon the environmental quality of the Subject Property.

## 8.0 INTERVIEWS & CLIENT / USER-PROVIDED INFORMATION

During the course of the Phase I Assessment, interviews were conducted with respect to the operation and history of the Site and a Client/User Questionnaire was provided.

1. The client/user provided no records to Hydro Tech's request for information associated with Environmental Liens or Activity and Use Limitations against the property that may have been filed or listed under federal, tribal, state, or local law.
2. The client/user reported no specialized or actual knowledge or experience related to any potential Recognized Environmental Conditions at the Subject Property or nearby properties.
3. The client/user did not respond to Hydro Tech's request for information regarding the relationship of the purchase price of the property to fair market value, specifically if it has been adjusted due to the known or potential presence of on-site contamination.
4. The client/user reported no commonly known information or information within the local community regarding past use(s) of the property (including the storage and/or release of chemicals, hazardous substances, petroleum products, etc.) that could have affected the environmental integrity of the subject site.
5. The client/user could not confirm whether no environmental contamination or cleanups have occurred at the property in the past.
6. Hydro Tech Environmental provided the Questionnaire for the client/user to complete. The client did not provide the completed questionnaire to Hydro Tech Environmental for review.

### 8.1 Past and Present Site Associates

The following historical and current owners, operators provided information during the performance of the Phase I Assessment:

- Brian Schultz (Moveco Moving Services)

Mr. Schultz has rented the Subject Property for over 20 years and that during this time it has only been used as a parking lot. Mr. Schultz has no knowledge of any environmental issues related to the Subject Property.

The interview did not reveal the presence of any other potential Recognized Environmental Conditions in connection with the subject site, and did not provide any additional information with respect to the environmental integrity of the subject property that was not obtained from other sources over the course of this investigation.

In addition, although an interview with the former owner(s) was not possible as none were provided to HTE as of the date of this ESA, we do not believe that any such owner(s) would have additional material information regarding the potential for contamination at the property that was not obtained from other sources over the course of this investigation.

## 9.0 CONCLUSIONS

Hydro Tech has performed a Phase I Environmental Site Assessment at the Subject Property and the following Recognized Environmental Conditions have been identified:

- The presence of a suspect drywell (4.0).
- The historical use of the property for used automobile sales (6.0).

## **10.0 CREDENTIALS & DECLARATION**

### **10.1 Credentials**

In accordance with ASTM E 1527, the credentials of those personnel directly involved with the production of this report are provided with this report. *Appendix E* provides a copy of the personnel credentials.

### **10.2 Environmental Professional Declaration**

We declare that to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in 40 CFR Part 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the Subject Property. Only where indicated we have developed and performed the AAIs in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

## 11.0 REFERENCES

1. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM E 1527-05, American Society for Testing and Materials, West Conshohocken, PA.
2. Principals of Groundwater Engineering, William C. Walton, Lewis Publishers, Inc., 1991.
3. The Long Island Ground Water Pollution Study, New York State Department of Environmental Conservation, 1972.
4. *Geochemical traverse across Cameron's Line, Boro Hall Park, Bronx, New York*, Cadmus, D., Hodgson, R., Gatto, L.M., and Puffer, J.H., Geology Department, Rutgers University, Newark, NJ.
5. *EDR Environmental Data Resources, 102-16 Liberty Avenue, Queens, NY, January 15, 2013*. The EDR – Sanborn Maps, Milford, Connecticut.
6. *EDR Environmental Data Resources, 102-16 Liberty Avenue, Queens, NY, January 17, 2013*. The EDR – Radius Map, Milford, Connecticut.
7. *EDR Environmental Data Resources, 102-16 Liberty Avenue, Queens, NY, January 15, 2013*. The EDR –City Directory, Milford, Connecticut.
8. Long Island Home Inspection, (n.d.), Radon on Long Island, from <http://www.longislandhomeinspection.com/content/radon-long-island>
9. Property Shark Property Profile for 102-16 Liberty Avenue, Queens, NY from <http://www.propertyshark.com/mason/>

## 12.0 EXCLUSIONS & DISCLAIMER

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

In preparing this report, **Hydro Tech Environmental, Corp.** may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to **HydroTech Environmental, Corp.** at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, **Hydro Tech Environmental, Corp.** did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

Observations were made of the subject property and of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non hazardous or hazardous materials, in that portion of the subject property or structure. In addition, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

**Hydro Tech Environmental, Corp.** did not perform testing or analyses to determine the presence or concentration of asbestos at the subject property or in the environment of the subject property under the scope of the services performed.

The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where such analyses have been conducted by an outside laboratory, **Hydro Tech Environmental, Corp.** has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses have been performed for specific constituents during the course of this subject property assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the subject property.

This report was prepared solely for the use of the Client/User and is not intended for use by third parties. Unauthorized third parties shall indemnify and hold Hydro Tech harmless against any liability for any loss arising out of, or related to, reliance by any third party on any work performed hereunder, or the contents of this report.

Figure 1

ADJACENT 3-STORY  
RESIDENTIAL/COMMERCIAL

LIBERTY AVENUE

SIDEWALK

ADJACENT 2-STORY  
RESIDENTIAL

**MONECO MOVING SERVICES  
PARKING LOT WITH  
ASPHALT SURFACE**

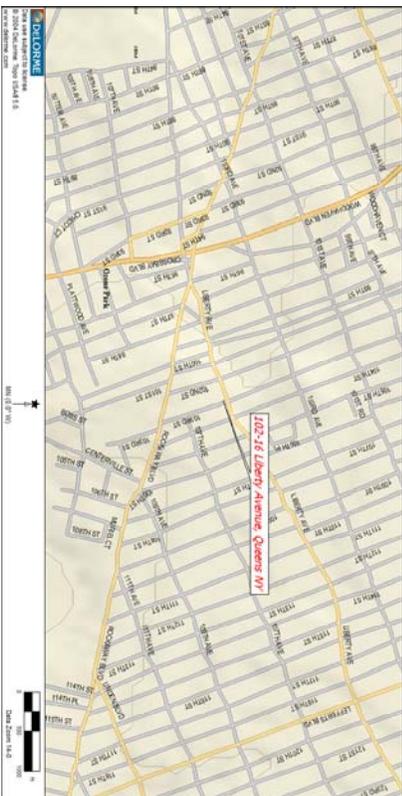
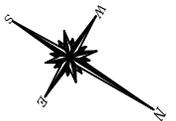
21' LONG STEEL  
STORAGE CONTAINER



SIDEWALK

103rd STREET

ADJACENT 3-STORY  
RESIDENTIAL/COMMERCIAL



ADJACENT 2-STORY  
RESIDENTIAL

**HYDRO TECH ENVIRONMENTAL CORP.**

MAN OFFICE: 77 ARROY DRIVE, SUITE G  
HAWTHORNE, NEW YORK 11788  
T (631)462-5866 F (631)462-5877  
www.hydrotechenvironmental.com

MFC OFFICE: 15 OCEAN AVENUE, 2nd Floor  
BROOKLYN, NEW YORK 11225  
T (718)636-0800 F (718)636-0900

102-16 Liberty Avenue  
Queens, NY  
HTE Job# 130002

Drawn By: C.O.  
Reviewed By: M.R.  
Approved By: M.S.  
Date: 01/15/13  
Scale: AS NOTED

TITLE:

FIGURE 1: SITE PLAN

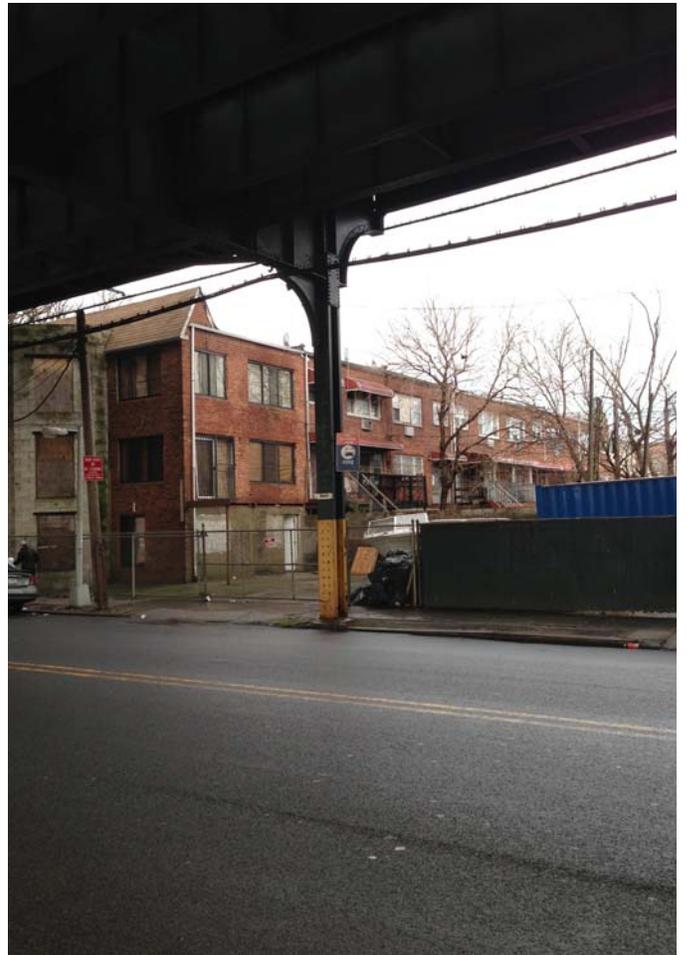
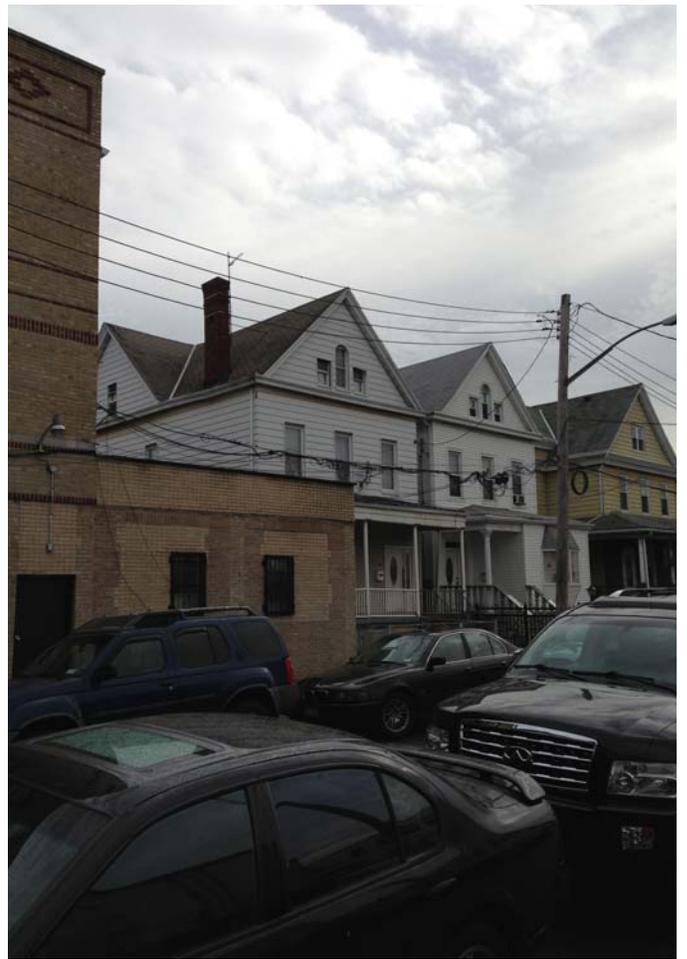


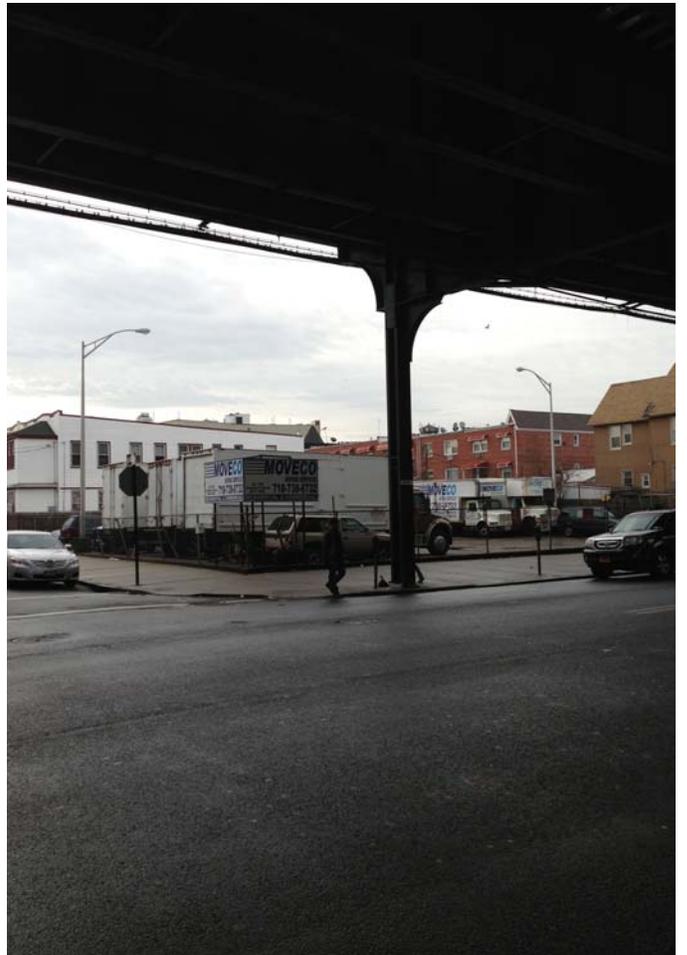
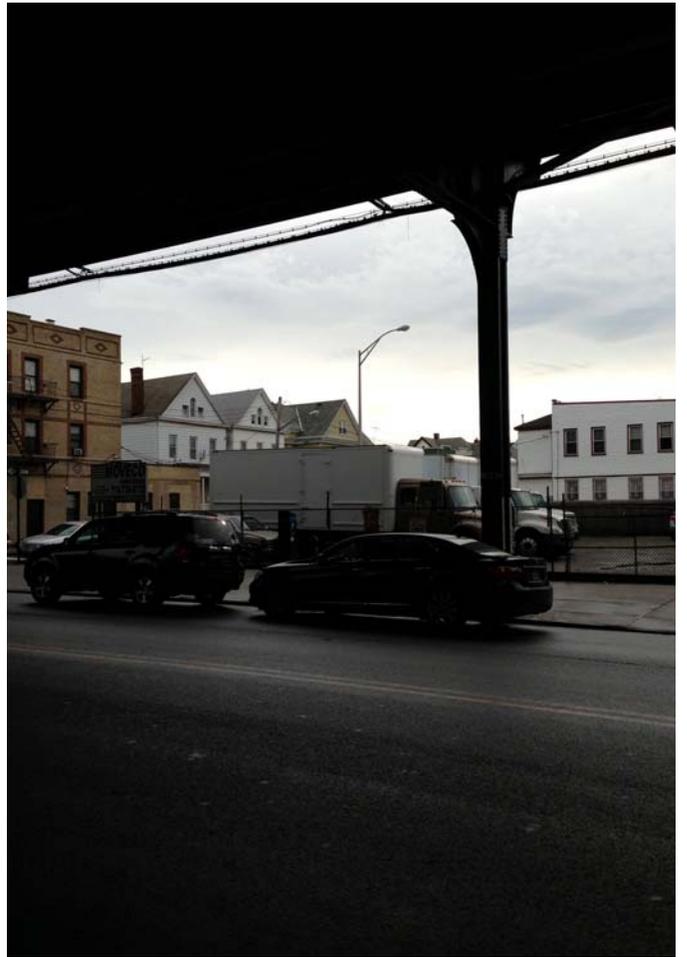
# Appendix A

## Photographs











Appendix B  
Regulatory Agency Documents



**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: 1/22/13

Re: Freedom of Information Law Request (FOIL) # 92376

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 \_\_\_\_\_.
- 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

# 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 complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19<sup>th</sup> Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

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

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> Bid/ Procurement (ACCO)                                 | <input checked="" type="checkbox"/> Notices of Violation and Decisions (ECB)                  | <input checked="" type="checkbox"/> Sewer main/line repair/construction (BWSO) | <input type="checkbox"/> Water bill accounts/metering (BCS)                     |
| <input checked="" type="checkbox"/> Asbestos (BEO)                               | <input checked="" type="checkbox"/> Environmental Review/SEQRA (OEPA)                         | <input checked="" type="checkbox"/> Water Quality (BWS/WQ)                     | <input type="checkbox"/> Personnel records (HRM)                                |
| <input checked="" type="checkbox"/> Hazardous materials emergency response (BEC) | <input checked="" type="checkbox"/> Industrial Pretreatment/ sewer discharge violations (BWT) | <input type="checkbox"/> Watershed/ reservoir operations (BWS)                 | <input checked="" type="checkbox"/> Wastewater Treatment Plant operations (BWT) |
| <input type="checkbox"/> Right To Know (BEO)                                     | <input checked="" type="checkbox"/> Water main/line repair/construction (BWSO)                | <input type="checkbox"/> Watershed area incident reports (DEP PD)              |   |
| <input checked="" type="checkbox"/> Air permits/complaints/inspections (BEC)     |   |  |   |
| <input checked="" type="checkbox"/> Noise complaints/inspections (BEO)           |   |  |   |

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

Location: Liberty Ave, Queens, NY Block: 9523 Lot: 5  
 Time frame/date of records: \_\_\_\_\_

Name: Shana Cross Phone: 631-462-5866 E-Mail: scross@htecorp.info  
 Firm: Hydro Tech Environmental Corp  
 Address: 877 Arthur Ave, Ste G City: Hempstead State: NY Zip Code: 11788  
 Signature: [Signature] Date: 1/10/13

### 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.
- |  |   |
|--|---|
| <input type="checkbox"/> Exempt: State/Fed. Statute (2(a))   | <input type="checkbox"/> Exempt: Law Enforcement (2(e))     |
| <input type="checkbox"/> Invasion of personal privacy (2(b)) | <input type="checkbox"/> Inter/Intra-agency material (2(g)) |
| <input type="checkbox"/> Competitive position injury (2(d))  | <input type="checkbox"/> (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., 19<sup>th</sup> Fl., Flushing, NY 11373

- UNAVAILABLE - - for reason(s) checked:
- |   |  |
|---|--|
| <input type="checkbox"/> Not described in sufficient detail                     | <input type="checkbox"/> Not maintained by this Department |
| <input type="checkbox"/> After search, no records responsive to request located |  |
| <input type="checkbox"/> (Other) _____  |  |

LOG NO.: \_\_\_\_\_  
 (Department Representative) (Bureau) (Date)

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

LOG # 92376

2013 JAN 10 PM 2:30  
 LEGAL AFFAIRS OFFICE  
 NYC DEP RECEIVED



DEPARTMENT OF BUILDINGS

THE CITY OF NEW YORK

BOURGH OF BROOKLYN

**NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT**

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substance articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

# 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 complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19<sup>th</sup> Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

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

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> Bid/ Procurement (ACCO)                                 | <input checked="" type="checkbox"/> Notices of Violation and decisions (ECB)                  | <input checked="" type="checkbox"/> Sewer main/line repair/construction (BWSO) | <input type="checkbox"/> Water bill accounts/ metering (BCS)                    |
| <input checked="" type="checkbox"/> Asbestos (BEC)                               | <input checked="" type="checkbox"/> Environmental Review/SEQRA (OEPA)                         | <input checked="" type="checkbox"/> Water Quality (BWS/WQ)                     | <input type="checkbox"/> Personnel records (HRM)                                |
| <input checked="" type="checkbox"/> Hazardous materials emergency response (BEC) | <input checked="" type="checkbox"/> Industrial Pretreatment/ sewer discharge violations (BWT) | <input type="checkbox"/> Watershed/ reservoir operations (BWS)                 | <input checked="" type="checkbox"/> Wastewater Treatment Plant operations (BWT) |
| <input type="checkbox"/> Right To Know (BEC)                                     | <input checked="" type="checkbox"/> Water main/line repair/construction (BWSO)                | <input type="checkbox"/> Watershed area incident reports (DEP PD)              | <input type="checkbox"/> _____  |
| <input checked="" type="checkbox"/> Air permits/complaints/ inspections (BEC)    |   |  | <input type="checkbox"/> _____  |
| <input checked="" type="checkbox"/> Noise complaints/ inspections (BEC)          |   |  | <input type="checkbox"/> _____  |

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

Location: Liberty Ave, Queens, NY Block: 9523 Lot: 5  
 Time frame/date of records: \_\_\_\_\_

Name: Shana Cross Phone: 631-462-5866 E-Mail: scross@htecorp.info  
 Firm: Hydro Tech Environmental Corp  
 Address: 877 Arday Drive, Ste G City: Hempstead State: NY Zip Code: 11788  
 Signature: [Signature] Date: 11/10/13

**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.

- |  |   |
|--|---|
| <input type="checkbox"/> Exempt: State/Fed. Statute (2(a))   | <input type="checkbox"/> Exempt: Law Enforcement (2(e))     |
| <input type="checkbox"/> Invasion of personal privacy (2(b)) | <input type="checkbox"/> Inter/Intra-agency material (2(g)) |
| <input type="checkbox"/> Competitive position injury (2(d))  | <input type="checkbox"/> (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., 19<sup>th</sup> 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

## Shana Cross

---

**From:** Foil r2foil <r2foil@gw.dec.state.ny.us>  
**Sent:** Friday, January 18, 2013 12:29 PM  
**To:** Shana Cross  
**Subject:** R2-13-125-Cross-Acknowledgment&website Search Advise.docx

January 18, 2013

FOIL: R2-13-125

Shana Cross/Hydro Tech Env., Corp.  
631-462-5866  
F 631-462-5877  
[scross@hydrotechenvironmental.com](mailto:scross@hydrotechenvironmental.com)

Re: -51-21 Northern Blvd, Woodside in Queens  
-102-16 Liberty Ave in Brooklyn

Dear Ms. Cross:

We are in receipt of your Foil request for the above referenced site. The identification Number(s) assigned is: R2-13-125.

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](mailto: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](mailto: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/cfm/xtapps/derexternal/index.cfm?pageid=1>

HWR/Environmental Remediation Website:

<http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=3>

The PBS Database link is as follows:

<http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=4>

Also, you can search for Permits issued by NYSDEC by using the Link:

<http://www.dec.ny.gov/cfm/xtapps/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](mailto: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](mailto:r2foil@gw.dec.state.ny.us).

Sincerely yours,

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

## Shana Cross

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**From:** Foil r2foil <r2foil@gw.dec.state.ny.us>  
**Sent:** Tuesday, January 29, 2013 12:27 PM  
**To:** Shana Cross  
**Subject:** R2-13-125-Cross-NoRecords.docx

January 29, 2013

FOIL: R2-13-125

Shana Cross/Hydro Tech Env., Corp.  
631-462-5866  
F 631-462-5877  
[scross@hydrotechenvironmental.com](mailto:scross@hydrotechenvironmental.com)

Re: -51-21 Northern Blvd, Woodside in Queens  
-102-16 Liberty Ave in Brooklyn

Dear Ms. Cross:

NYSDEC/Region 2 has reviewed your request for the above referenced records under New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by number under the names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided.

If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, Claims, investigations or inquiries.

After a diligent search of Region 2 available files, no records could be located for the names and/or addresses you provided.

Please email your future FOILs to Region directly to the following email address: [r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us)

Thank you for your request. If additional information is needed, please call Gloria Silva/FOIL Secretary at (718) 482-4507, or email me at: [r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us)

Sincerely yours,

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

Regional Enforcement Coordinator



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NYC Department of Buildings  
**Property Profile Overview**

**102-16 LIBERTY AVENUE**  
 LIBERTY AVENUE 102-16 - 102-16

**QUEENS 11417**  
 Health Area : 3100  
 Census Tract : 94  
 Community Board : 410

**BIN# 4827698**  
 Tax Block : 9523  
 Tax Lot : 5

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[View Certificates of Occupancy](#)

**Cross Street(s):** 102 STREET, 103 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:** N/A

**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:** G6-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
<a href="#">Complaints</a>	3	0
<a href="#">Violations-DOB</a>	0	0
<a href="#">Violations-ECB (DOB)</a>	3	3
<a href="#">Jobs/Filings</a>	0	
<a href="#">ARA / LAA Jobs</a>	0	
<a href="#">Total Jobs</a>	0	
<a href="#">Actions</a>	2	

- [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](#)

OR Enter Action Type:

OR Select from List:

Select...

AND

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.



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NYC Department of Buildings  
**ECB Query By Location**

Page: 1 of 1

Premises: 102-16 LIBERTY AVENUE QUEENS

BIN: [4827698](#) Block: 9523 Lot: 5 CB: 410

Dept. of Buildings Violations & Compliance	
Total Issued = 3	Open (Non-Compliance) = 3

ECB Hearings	
Completed / Defaulted = 3	Pending = 0

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
<a href="#">34046952M</a>	OPEN - NO COMPLIANCE RECORDED Severity: NON-HAZARDOUS	SCIRICA,ANTHONY	IN VIOLATION	09/20/1990	<a href="#">B03</a>	\$0.00
					<b>Viol Type:</b> CONSTRUCTION	
<a href="#">34342691J</a>	OPEN - NO COMPLIANCE RECORDED Severity: NON-HAZARDOUS	SCIRICA ANTONY	WRITTEN OFF	10/31/2002	<a href="#">B7A</a>	\$0.00
		<b>Inspect Unit:</b> QUEENS CONSTRUCTION			<b>Viol Type:</b> CONSTRUCTION	
<a href="#">34375128L</a>	OPEN - NO COMPLIANCE RECORDED Severity: HAZARDOUS	SCIRICA ANTHONY	WRITTEN OFF	02/01/2003	<a href="#">B7A</a>	\$0.00
		<b>Inspect Unit:</b> QUEENS CONSTRUCTION			<b>Viol Type:</b> CONSTRUCTION	

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

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

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

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

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.



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## NYC Department of Buildings

### ECB Violation Details

Premises: 102-16 LIBERTY AVENUE QUEENS  
 BIN: [4827698](#) Block: 9523 Lot: 5

Filed At: 102-16 LIBERTY AVENUE , QUEENS , NY 11417  
 Community Board: 410

### ECB Violation Summary

**VIOLATION OPEN**

ECB Violation Number: 34046952M  
 Severity: **NON-HAZARDOUS**

**Certification Status:** NO COMPLIANCE RECORDED  
**Hearing Status:** IN VIOLATION  
**Penalty Balance Due:** \$0.00

### Respondent Information

**Name:** SCIRICA, ANTHONY  
**Mailing Address:** 102-16 LIBERTY AVE , QNS , NY 11417

### Violation Details

**Violation Date:** 09/20/1990  
**Served Date:** 09/20/1990  
**Violation Type:** CONSTRUCTION  
**Inspection Unit:**

Infraction Codes	Section of Law	Standard Description
<a href="#">B03</a>	27-217	OCCUPANCY CONTRARY TO THAT ALLOWED BY THE C OF O BLDG DEPT RECORDS

#### Specific Violation Condition(s) and Remedy:

OCCUPANCY CONTRARY TO THAT ALLOWED. BY THE CERTIFICATE OF OCCUPANCY COF O #Q145888 FROM ACCESSORY PARKING OF MOTOR VECHICLES TO ILLEGAL AUTOMOBILE SALES ESTABLISHMENT. REMEDY: OBTAIN A VALID COFO OR DISCONTIE

**Issuing Inspector ID:** 1061  
**Issued as Aggravated Level:** NO  
**DOB Violation Number:** 092090C09Q02

### Dept. of Buildings Compliance Information

**Certification Status:** NO COMPLIANCE RECORDED  
**Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

**Scheduled Hearing Date:** 02/19/1991  
**Hearing Time:** 8:30  
**Hearing Status:** IN VIOLATION

### ECB Penalty Information

**Penalty Imposed:** \$285.00

**Adjustments:** \$0.00  
**Amount Paid:** \$285.00  
**Penalty Balance Due:** \$0.00

**ECB Violation History**

**Compliance Events**

**Hearing Events**

**Hearing Assigned On:** 02/19/1991  
**Default:** 11/16/1990

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.



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## NYC Department of Buildings

### ECB Violation Details

Premises: 102-16 LIBERTY AVENUE QUEENS

Filed At: 102-16 LIBERTY AVENUE , QUEENS , NY 11417

BIN: [4827698](#) Block: 9523 Lot: 5

Community Board: 410

### ECB Violation Summary

**VIOLATION OPEN**

ECB Violation Number: 34342691J

Severity: NON-HAZARDOUS

Certification Status: NO COMPLIANCE RECORDED

Hearing Status: WRITTEN OFF

Penalty Balance Due: \$0.00

### Respondent Information

Name: SCIRICA ANTONY  
Mailing Address: 102-16 LIBERTY AVENUE , JAMAICA , NY 11417

### Violation Details

Violation Date: 10/31/2002      Violation Type: CONSTRUCTION  
Served Date: 10/31/2002      Inspection Unit: QUEENS CONSTRUCTION

Infraction Codes	Section of Law	Standard Description
<a href="#">B7A</a>	27-127	FAILURE TO MAINTAIN BUILDING - HAZARDOUS

#### Specific Violation Condition(s) and Remedy:

FAILURE TO MAINTAIN DEFECT IS:BARB & RAZOR WIRES ARE ON THE FENCE FACING ON THE PUBLIC SIDEWALKS ON LIBERTY AVE & 103 ST.SOME VERTICAL PIPES OF FENCE ARE OUT OF PLUMIS,SOME HORIZONTA L PIPES & CHAIN-LINK DISCON

Issuing Inspector ID: 1130      DOB Violation Number: 103102C10BA01  
Issued as Aggravated Level: NO

### Dept. of Buildings Compliance Information

Certification Status: NO COMPLIANCE RECORDED  
Compliance On:

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

Hearing Status: WRITTEN OFF

### ECB Penalty Information

Penalty Imposed: \$800.00  
Adjustments: \$-800.00  
Amount Paid: \$0.00

**Penalty Balance Due:** \$0.00  
**Court Docket Date:** 07/31/2003

---

### ECB Violation History

#### Compliance Events

#### Hearing Events

**Hearing Assigned On:** 12/17/2002  
**Written Off:** 12/17/2002

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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.



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## NYC Department of Buildings

### ECB Violation Details

Premises: 102-16 LIBERTY AVENUE QUEENS  
 BIN: [4827698](#) Block: 9523 Lot: 5

Filed At: 102-16 LIBERTY AVENUE , QUEENS , NY 11417  
 Community Board: 410

### ECB Violation Summary

**VIOLATION OPEN**

ECB Violation Number: 34375128L

Severity: HAZARDOUS

Certification Status: NO COMPLIANCE RECORDED

Hearing Status: WRITTEN OFF

Penalty Balance Due: \$0.00

### Respondent Information

Name: SCIRICA ANTHONY  
 Mailing Address: 102-16 LIBERTY AVENUE , QUEENS , NY 11417

### Violation Details

Violation Date: 02/01/2003      Violation Type: CONSTRUCTION  
 Served Date: 02/06/2003      Inspection Unit: QUEENS CONSTRUCTION

Infraction Codes	Section of Law	Standard Description
<a href="#">B7A</a>	27-127	FAILURE TO MAINTAIN BUILDING - HAZARDOUS

#### Specific Violation Condition(s) and Remedy:

FAILURE TO MAINTAIN. DEDFECTA; RAZOR WIRE ON FENCE FACING PUBLIC SIDEWALK ON LIBERTY AVE 103 STREET CHAIN LINK FENCE OUT OF PLUMB LOOSE. REMEDY: REPAIR DEFECTS, REMOVE RAZOR WIRE.

Issuing Inspector ID: 1883      DOB Violation Number: 020103C10ZP04  
 Issued as Aggravated Level: MULTIPLE OFFENSE

### Dept. of Buildings Compliance Information

Certification Status: NO COMPLIANCE RECORDED  
 Compliance On:

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

Hearing Status: WRITTEN OFF

### ECB Penalty Information

Penalty Imposed: \$10,000.00  
 Adjustments: \$0.00  
 Amount Paid: \$0.00  
 Penalty Balance Due: \$0.00

**Court Docket Date:** 07/31/2003

---

## ECB Violation History

### Compliance Events

### Hearing Events

**Default:** 03/31/2003

**Written Off:** 06/10/2003

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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.

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F d h d u

V w i h h w  E a r f n

**There are no Records that match the search criteria entered. Please try one or more of the following to conduct a successful search:**

**1. Partial entries for a data element or Record, e.g. Use 8 instead of 8th Street or enter a Borough and Block but no Lot.**

**2. Ensure all the data entered is correct, i.e. Borough, Block and Lot or Borough, House #, and Street Name depending on the search method**



Property Report for:  
**(no address)**

## 1 Your Notes

No notes found.

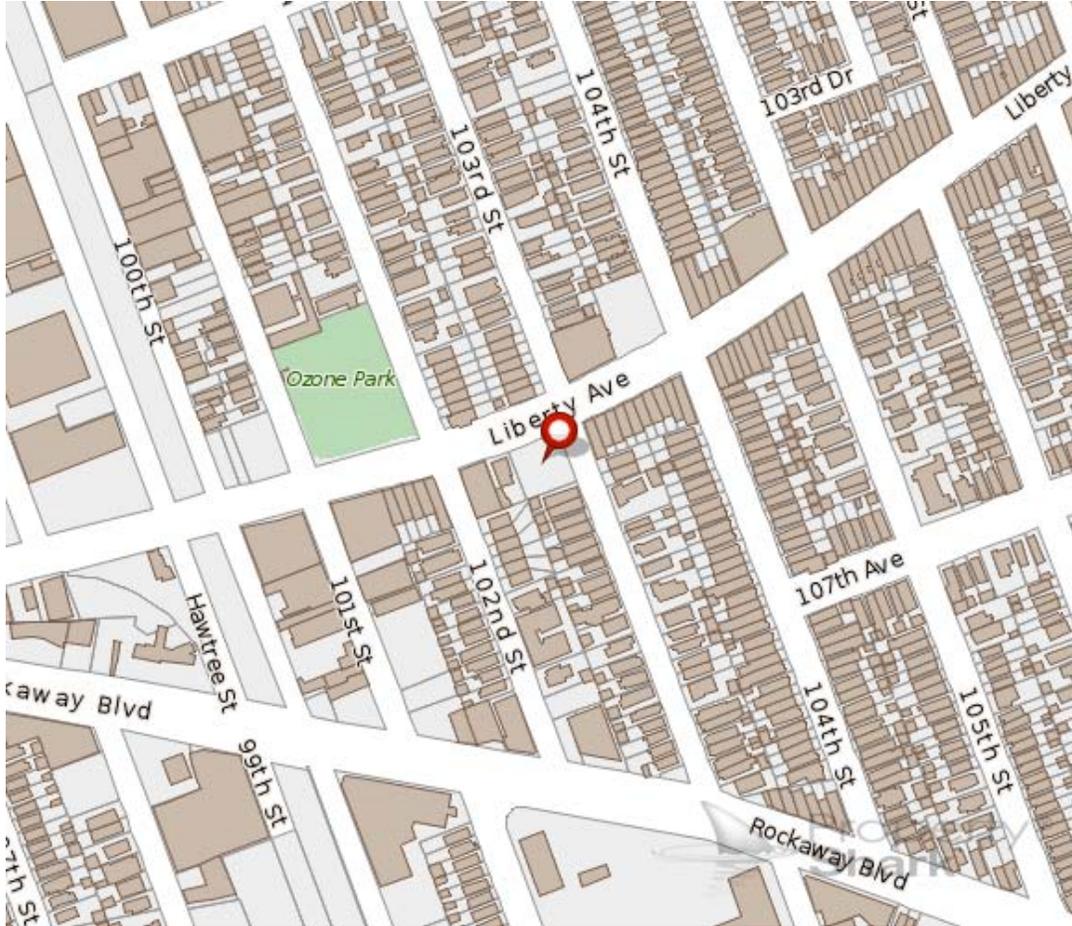
## 3 Overview

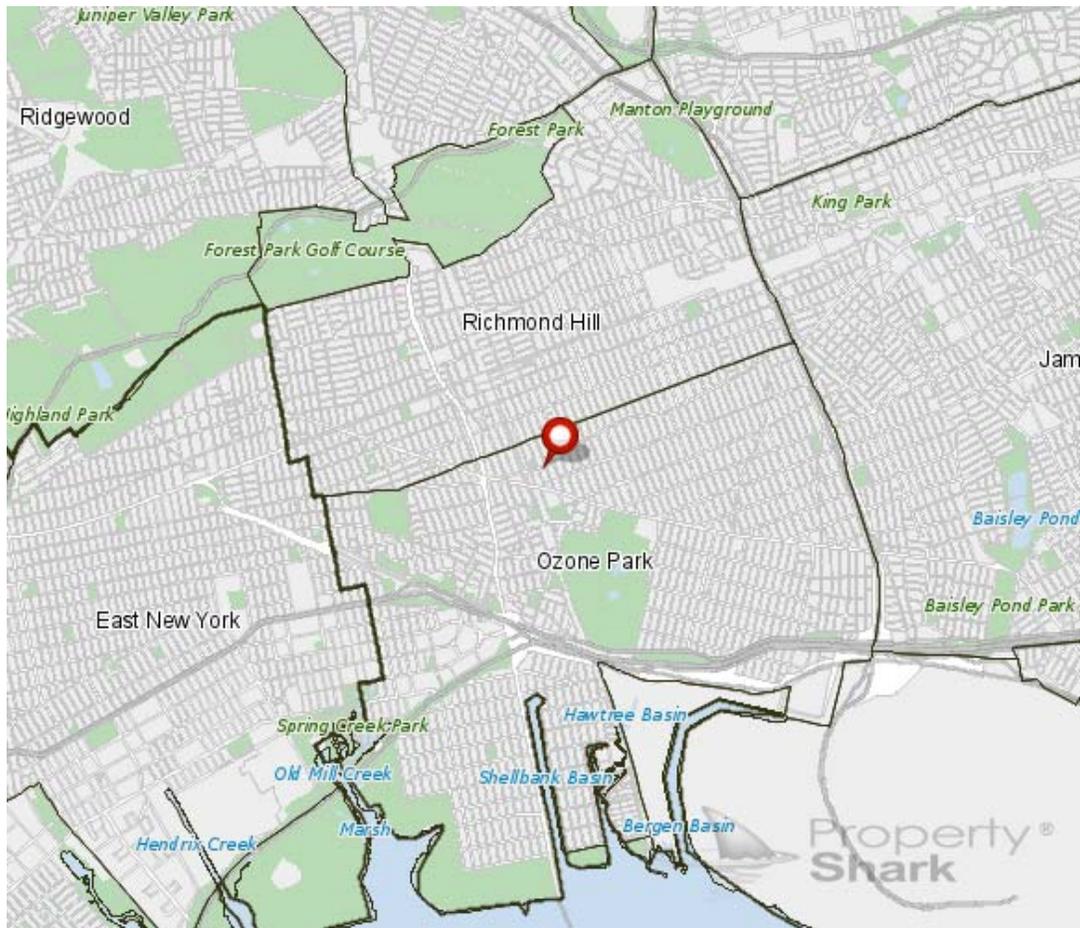
Location		Square Feet	
Borough	Queens	Lot SF	9,721
Block & lot	09523-0005	<b>Ratio of Building SF to Lot SF (FAR)</b>	
<b>Neighborhood</b>		Max allowed FAR	.9
School district	27	FAR as built	n/a
Community board	10	Maximum usable floor area	8,749
Neighborhood	Ozone Park	<b>Building</b>	
City council	32	Building dimensions	n/a
Census tract	0094.00	Stories	n/a
<b>Nearest</b>		Residential units	n/a
Police precinct	106	Has extension	No
Police station	<a href="#">10351 101 St</a>	Has garage	No
Distance to	0.10 Miles	Year built	0
Fire station	<a href="#">10319 98 St</a>	Year last altered	n/a
Distance to	0.20 Miles	<b>Lot</b>	
<b>Property Tax Assessment</b>		Lot dimensions	100.12 ft x 96.32 ft
Actual land	\$130,500	Corner lot	SW
Assessment	\$130,500	Buildings on lot	
Tax class	4	<b>Zoning, Use &amp; C-of-O</b>	
Annual tax bill	\$13,248.36	Zoning district	C2-2/R4
Annual tax bill projected	\$13,248.36	Building class	Licensed Parking Lot (G6)
<b>Property Maps</b>		E-Designation	None
Zoning map	18a	Historic district	None
Tax map	44103	Landmark	None
Sanborn map	404 065	<b>Hazards &amp; Environment</b>	
Link to tax map	<a href="#">Click here</a>	Toxic site on this property	No
<b>Most Recent Sale</b>		Neighboring toxic sites	No
Sale date	9/4/2009	<b>Current Owner</b>	
Sale price	\$0	Full name	Liberty Avenue Development LLC

Address  
City state zip

474 Fulton Ave  
Hempstead Nassau NY 11550

### 4 Maps





## 6 Sale & Property History

No records found.

## 1 Ownership Summary

Recent Title Document	<a href="#">Liberty Avenue Development LLC</a> 474 Fulton Ave Hempstead NY 11550 <a href="#">Research this person</a>	Notice Address	<a href="#">Liberty Avenue Development LLC</a> 474 Fulton Ave Hempstead NY 11550-4101 06/30/2012 <a href="#">Research this person</a>
Assessment Roll	<a href="#">Liberty Avenue Develo</a> Liberty Avenue 06/12/2012 <a href="#">Research this person</a>		

[See more about this building's ownership.](#)

The Department of State - Division of Corporations - allows you to search for [LLC owners](#).

## 2 Ownership from Permits

Building permit phone numbers tend to be very reliable. Just be sure to check the title history to make sure that the person on the permit still owns the building!

No building permits found.

## 3 Phone Records - Tenants

[Download in Excel format](#)

No phone listings were found.

## 4 Registered Voters

Full Name	Apartment Number	Political Party	Registration Date	Last Year Voted	Phone Number
-----------	------------------	-----------------	-------------------	-----------------	--------------

[See more about this building's ownership.](#)

The Department of State - Division of Corporations - allows you to search for [LLC owners](#).

## 1 Liens

Liens are available only to customers subscribed to our [lis pendens product](#).

For details see our [plan & pricing](#)

## 2 Title Documents

Date	Type	Amount	Party1	Party2	Link To Doc
9/4/2009 (DocDate) 11/9/2009 (Recorded)	Deed	n/a	<a href="#">G G G Liberty Associates</a> 474 Fulton Avenue Hempstead NY 11550	<a href="#">Liberty Avenue Development LLC</a> 474 Fulton Avenue Hempstead NY 11550	
9/15/2008 (DocDate) 8/21/2009 (Recorded)	Deed	n/a	<a href="#">Grobman, Frank</a> 357 Pepperidge Road Hewlett NY 11557	<a href="#">G G G Liberty Associates</a> 474 Fulton Avenue Hempstead NY 11550	
8/11/1977 (Recorded)	Deed	n/a	<a href="#">Lake Wales Florida Associates</a>	<a href="#">Frank Grobunan</a>	
8/11/1977 (Recorded)	Deed	n/a	<a href="#">Ireiss &amp; Son</a>	<a href="#">Luke Wales Flouder Associates</a>	
2/7/1973 (Recorded)	Deed	n/a	<a href="#">Triple R Corp</a>	<a href="#">I Reiss &amp; Son</a>	
1/30/1973 (Recorded)	Sundry Agreement	n/a	<a href="#">Anchor Savings Bank</a>	n/a	
1/30/1973 (Recorded)	Deed	n/a	<a href="#">I Reiss &amp; Son</a>	<a href="#">Triple R Corp</a>	

## 1 Valuation Model

Our database has 0 properties that meet the following criteria:

- Sold within the last 6 months
- In the 11417 zip code
- Property classes similar to Licensed Parking Lot
- Sale price over \$25,000

Expecting more results? Occasionally the actual use and recorded building use are different. Maybe you should be looking at a different building class.

[Browse more recently sold properties](#) in the neighborhood!

## 2 Sales & Values Maps



\* Recent Sale Date: n/a

The map shows sales of neighboring properties. Find out how recent the property has been sold. For Condos and Coops the value is not reflective.

Legend

- second half of 2012
- first half of 2012
- second half of 2011
- first half of 2011
- second half of 2010
- first half of 2010
- 2008 - 2009
- < 2008

Sale Date

Time Since Last Recorded Sale

n/a



\* Price per SqFt: \$0

On this color-coded map, view the price paid per square foot for the last sale of the property. For Condos and Coops the value is not reflective.

Legend

- Below \$100
- \$100 - \$250
- \$250 - \$400
- \$400 - \$550
- \$550 - \$700
- \$700 - \$850
- \$850 - \$1000
- Above \$1000
- ▨ Condos
- ▨ Coops

Sale Price

Lot Square Foot

Price per SqFt

\$0

9,721 SqFt

\$0

## 1 Exemptions and Tax Abatements

Both the City and State of New York offer property tax reductions through exemptions and abatements for residential property, commercial constructions, and properties used by governmental, industrial, and not-for-profit organizations. Exemptions provide tax relief by reducing a property's assessed value, and abatements reduce taxes by applying credits to the amount of tax due. The information in this section presents a

summary of the granted amounts and other related values of the benefit programs. This data comes from NYC Department of Housing Preservation and Development (HPD) and the Department of Finance, departments which administer the [J-51 Program](#) and the [421a Program](#).

## 2 Tentative Values

Every year in January, the NYC Department of Finance Commissioner publishes the tentative property assessment roll for the current fiscal year. All properties are valued by law according to their condition on the taxable status date of January 5th. Owners who believe that the Department of Finance has used incorrect information to determine their market value may [file forms](#) providing corrections. After Finance verifies the complaints, the agency will make any corrections before the final assessment roll is published on May 25. The final roll will also include changes, based on the decisions made by the New York City Tax Commission, an independent City agency, as well as new information Finance gathers about abatements, exemptions and other adjustments. In June, Finance will use the final roll and new tax rates adopted by the City Council to generate property tax bills for the fiscal year beginning July 1st.

Tentative Transitional Values		Tentative Actual Values	
Tentative transitional land	\$130,500	Tentative actual land	\$130,500
Tentative transitional total	\$130,500	Tentative actual total	\$130,500
Tentative exempt land	\$0	Tentative actual exempt land	\$0
Tentative exempt total	\$0	Tentative actual exempt total	\$0

## 3 Property Tax

The following values are from the latest assessment roll and give information about the fiscal years **2011/2012** and **2012/2013**. The City's fiscal year runs from July 1 to June 30.

### Market Value

The property tax assessment process starts when the city's assessors estimate a property's market value, based upon the available information. The assessors use three approaches to value the property: sales, cost, and income. The *market value* is generally defined as what the property would sell for in a competitive and open market.

		2011/2012		2012/2013
Land market value		\$290,000		\$290,000
Building market value	+	\$0	+	\$0
Market value	=	\$290,000	=	\$290,000

### Assessed Value

Assessed value is a calculation of the property value for tax purposes. It usually represents a percentage of the market value and is subject to limits on annual increases. Sometimes the city will exempt part of the assessed value from taxation, as an incentive to make improvements to an existing structure or to build on a vacant lot. There are also several [tax reductions programs](#) for residential properties that may apply and may lower the property's tax bill.

		2011/2012		2012/2013
Land assessed value		\$130,500		\$130,500
Building assessed value	+	\$0	+	\$0
Assessed value	=	\$130,500	=	\$130,500
Exemptions granted by city	-	\$0	-	\$0
Net assessed value	=	\$130,500	=	\$130,500

### Taxable Value

This is the 2011/2012 taxable value used for the calculation of the property tax.

Taxable value	=	\$130,500
---------------	---	-----------

### Property Tax

*Base tax* is an estimate of what an owner **not** benefiting from tax exemptions would pay and is determined by multiplying the assessed value by the [tax rate](#). *Current tax* is calculated by multiplying the taxable value by the tax rate.

For a very small number of properties owner-related exemptions (for which we currently don't have information) apply, and so the values given

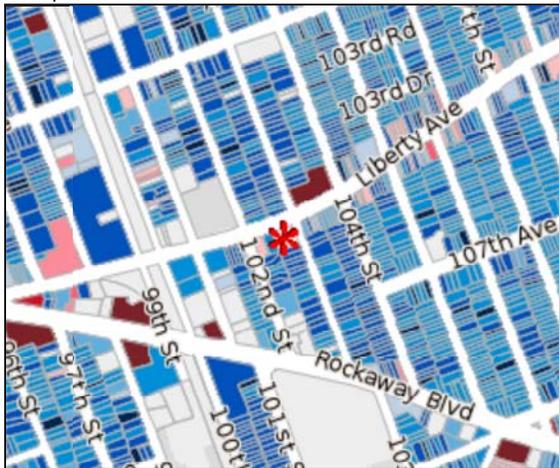
below may be slightly different from the official ones. In addition to exemptions, the city also grants *tax abatements* to some properties. An *abatement* is simply a discount which is subtracted directly from the current tax. This results in the *property tax*, the amount the current owner pays.

Tax description	Assessed/taxable value 11/12	Tax rate 11/12	Tax amount 11/12
Base tax	\$130,500	* 10.1520%	= \$13,248.00
Current tax	\$130,500	* 10.1520%	= \$13,248.00
Total abatements			- \$0.00
Property tax			= \$13,248.36

Tax description	Assessed/taxable value 12/13	Tax rate 11/12	Tax amount 12/13
Base tax	\$130,500	* 10.1520%	= \$13,248.36
Current tax	\$130,500	* 10.1520%	= \$13,248.36
Total abatements			- \$0.00
Property tax			= \$13,248.36

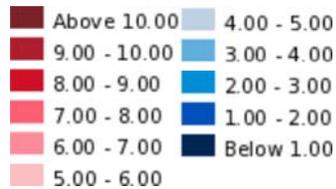
For more information please visit New York City's [property tax section](#). Also, you can view this property's assessment, tax bill and account statements [here](#).

#### Tax per Square Foot



Click on the map to expand!

On this map, you can see the tax value paid per square foot for this property.



## 4 Assessment History

Year	Use code	Market value	Land asmt	Assessment	Taxable	Tax rate%	Base tax	Property tax
2012/13	G6	\$290,000	\$130,500	\$130,500	\$130,500	10.152%	\$13,248	\$13,248
2011/12	G6	\$290,000	\$130,500	\$130,500	\$130,500	10.152%	\$13,248	\$13,248
2010/11	G6	\$290,000	\$130,500	\$130,500	\$126,900	10.312%	\$13,085	\$13,085
2009/10	G6	\$290,000	\$130,500	\$130,500	\$123,300	10.426%	\$12,855	\$12,855
2008/09	G6	\$290,000	\$130,500	\$130,500	\$116,730	10.241%	\$11,954	\$11,954
2007/08	G6	\$290,000	\$130,500	\$130,500	\$108,180	10.059%	\$10,881	\$10,881

## 1 Zoning and Building Class

The *building class* specifies how a property is used or what type of building is present on that property. Building classes range from A to Z



\* Land Use: Licensed Parking Lot (G6)

As you can see in our legend, we show many building classes on our maps! Still, we are not showing the entire list. If you have questions or would like to know more about the different types of building classes, [Click Here!](#)

(excluding X.) There are at most 10 different sub-classes within each building class (ranging from 0 to 10.) These building classes cover all property uses from residential and commercial to government buildings and parks.

Building class  
 Legend

- |  |   |
|--|---|
| <p><b>Residential:</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> Residential, 1 Fam</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #66B3FF; border: 1px solid black; margin-right: 5px;"></span> Residential, 2 Fam</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #4682B4; border: 1px solid black; margin-right: 5px;"></span> Walkups</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #0070C0; border: 1px solid black; margin-right: 5px;"></span> Condos</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #003366; border: 1px solid black; margin-right: 5px;"></span> Elevator</li> </ul> <p><b>Commercial:</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #F08080; border: 1px solid black; margin-right: 5px;"></span> Store + Apts, Lofts</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #E9967A; border: 1px solid black; margin-right: 5px;"></span> Small Businesses</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #C0504D; border: 1px solid black; margin-right: 5px;"></span> Theatres &amp; Hotels</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #8B0000; border: 1px solid black; margin-right: 5px;"></span> Offices</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #4B0082; border: 1px solid black; margin-right: 5px;"></span> Industrial</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #A9A9A9; border: 1px solid black; margin-right: 5px;"></span> Transportation Facilities</li> </ul> | <p><b>Civic Use:</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFFF00; border: 1px solid black; margin-right: 5px;"></span> Places of Public Assembly And Cultural (I)*</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></span> Recreation Facilities &amp; Cemeteries (O)*</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; border: 1px solid black; margin-right: 5px;"></span> Churches</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; border: 1px solid black; margin-right: 5px;"></span> Schools</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #800080; border: 1px solid black; margin-right: 5px;"></span> City Buildings</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #654321; border: 1px solid black; margin-right: 5px;"></span> Health &amp; Social Care</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #D3D3D3; border: 1px solid black; margin-right: 5px;"></span> Vacant Lots</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #808080; border: 1px solid black; margin-right: 5px;"></span> Miscus</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #404040; border: 1px solid black; margin-right: 5px;"></span> Unknown</li> </ul> |
|--|---|
- (I)\* - Indoor  
(O)\* - Outdoor



This map is not an official zoning map. The print version of the NYC Zoning Resolution, which includes the zoning maps, together with any amendments adopted by the City Council subsequent to the most recent update to the print version, remains the official version of the Zoning Resolution.

This map was created from the NYC [Department of City Planning's](#) online zoning map files. It includes updates found in those files through 09/27/12.

For more information about zoning district regulations, [Click Here!](#)

**Rezoning Projects**

No Rezoning Projects found.

New York City is divided into three basic zoning districts: residential (R), commercial (C) and manufacturing (M). These basic zoning districts are subdivided by the intensity of use. Development is governed by the use, bulk, and parking requirements of the zoning district.

Zoning district  
 Legend

- R - Residential District
- C - Commercial District
- M - Manufacturing District
- Area(s) Rezoned
- Special Purpose District  
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.
- D - Restrictive Declaration
- E - City Environmental Quality Review Declaration
- e3 - Refers to blocks with lots subject to CEQR designation E-175. See Z.R. appendices (CEQR declarations) for list of affected block and lots.

-  Rezoning Project Area (Proposal-Active)
-  Rezoning Project Area (Currently Inactive)
-  Rezoning Project Area (Recently Adopted)
-  Rezoning Project Area (Earlier Adopted)\*

\* The Earlier Rezonings are no longer being updated. They are presented for reference purposes.

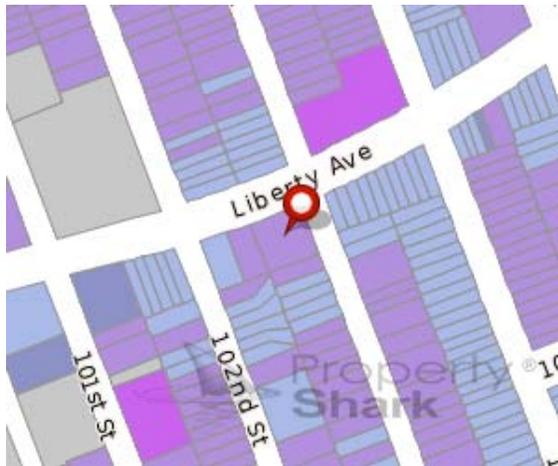
## 2 Floor Area Ratio & Air Rights

There are many rules that limit what you can build on a lot and how large it can be. But the most important is the Floor Area Ratio, or FAR. The FAR is expressed as a ratio of the size of the building in square feet to the size of the lot in square feet. For example, if a lot is 2,000 square feet and has an allowable FAR of 4.0, then then you can't build a building larger than 8,000 square feet.

<b>Area of lot in square feet</b>			9,721
<b>FAR</b>	x		.9
<b>Maximum usable floor area of building</b>	=		8,748

### Available Air Rights by Parcel

The building on this lot is smaller than the maximum set by the FAR. Thus it may be possible to add to the building (either more floors or an extension) or it may be possible to sell the "air rights" to a developer who owns a nearby lot. (Note: other factors may limit what you can do.)



\*Unused buildable square feet: 8,748

<b>Maximum usable floor area</b>		8,748
<b>Usable floor area</b>	-	0
<b>Unused buildable square feet ("air rights")</b>	=	8,748

- Opportunity by Parcel:
-  Above 250,000 SF
  -  100,000 - 250,000 SF
  -  60,000 - 100,000 SF
- Very Little Opportunity:
-  30,000 - 60,000 SF
  -  10,000 - 30,000 SF
  -  Below 10,000 SF
- No Opportunity:
-  None Available (0)
  -  Over Developed (-1)
  -  Excluded Regions (n/a)

## 3 Building Permits

No records found.

## 1 Housing Preservation and Development Violations

When excessive violations are present, this can adversely affect the support given by The NYC Department of Housing Preservation and Development (HPD). These violations can result in building-wide inspections, fees, and the requirement of extensive repair work to correct underlying conditions. In some cases, outstanding violations may result in a lien being placed on the property. It is also substantially more difficult to mortgage a building with extensive violations.



\* Sorry, for this property we don't have any information about open violations.

## HPD Violations

On this color-coded map, view all properties with open violations that have been left uncorrected.

*Legend*

- Uncorrected Violation(s)
- 25 Total number of violations

Open **A** class violations: **0**  
 Open **B** class violations: **0**  
 Open **C** class violations: **0**  
 Open **I** class violations: **0**

Number of units: **0**

### Description of the Classes

Sorry, no records were found!

Please note: the NYC HPD is the only authoritative source for information on housing violations. Please consult the [HPD web site](#) for up-to-date violations.

PropertyShark obtains its records from HPD and updates them monthly.

## 2 ECB Violations

There are eleven city agencies that administer the City's quality-of-life laws and issue Notices of Violation (NOVs) for alleged violations. The ECB is a separate and independent agency that hears challenges to those NOVs. The agencies that issue the most violations for real estate are:

Department of Buildings (DOB)

Department of Environmental Protection (DEP)

Fire Department

Landmarks Preservation Commission (LPC)

Department of Sanitation

PropertyShark obtains its ECB NOV records from the DOB and updates them nightly. Records go back to 1988

Date	Description
2/1/2003	Failure to maintain. dedfecta; razor wire on fence facing public sidew; alk on liberty ave 103 street chain link fence out of plumb loose. rem; edy: repair defects, remove razor wire.;
10/31/2002	Failure to maintain defect is:barb & razor wires are on the fence faci; ng on the public sidewalks on liberty ave & 103 st.some vertical pipes; of fence are out of plumis,some harizontal pipes & chain-link discon;
9/20/1990	Occupancy contrary to that allowed. by the certificate of occupancy c; of o #q145888 from accessory parking of motor vehicles to illegal aut; omobile sales establishment. remedy:obtain a valid cofo or discontie;

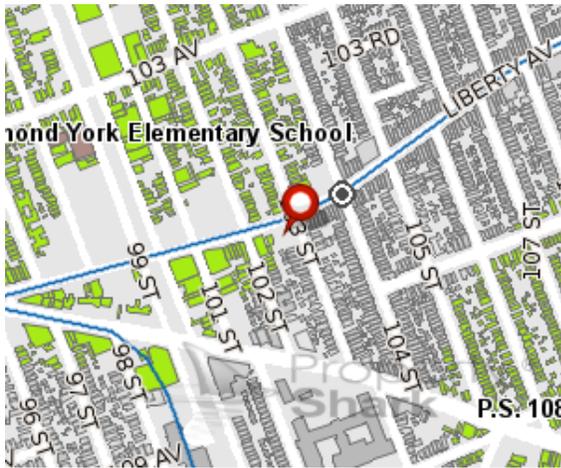
For more information about the ECB and the types of NOVs that it handles, visit its [home page](#) or this page with a [list of rules, laws and agencies](#).

## 1 Distance To

### Distance to Elementary Schools

On this map, view the distance between the closest Elementary School and this property.

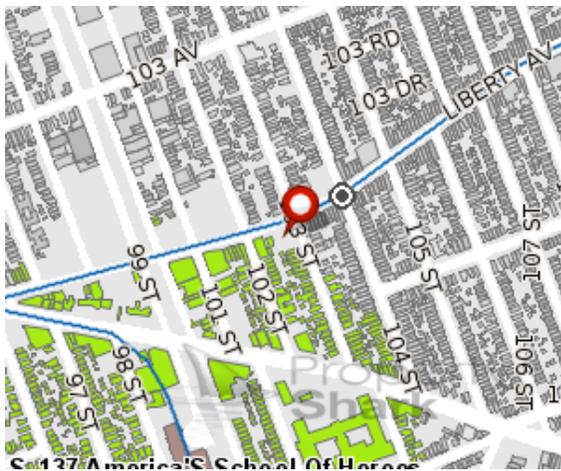
*Legend*



Elementary School  
 Inside 1000 ft \*  
 \* distances are calculated as radius from Elementary School

Distance (feet): n/a

Building is not inside a 1000ft radius from the nearest Elementary School.



**Distance to Junior High**

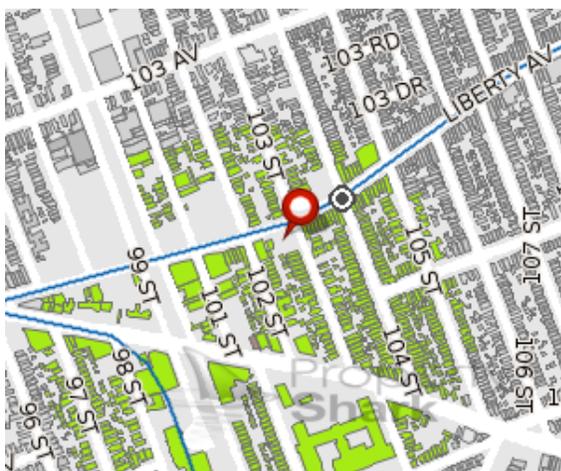
On this map, view the distance between the closest Junior High School and this property.

Legend

Junior High School  
 Inside 1000 ft \*  
 \* distances are calculated as radius from Junior High School

Distance (feet): n/a

Building is not inside a 1000ft radius from the nearest Junior High School.



**Distance to High School**

On this map, view the distance between the closest High School and this property.

Legend

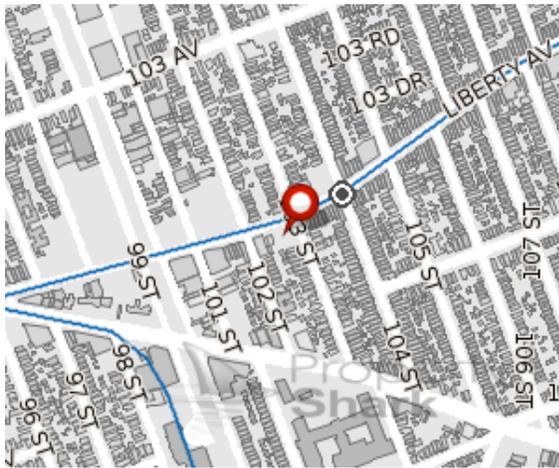
High School  
 Inside 1000 ft \*  
 \* distances are calculated as radius from High School

Distance (feet): n/a

Building is not inside a 1000ft radius from the nearest High School.

**Distance to University**

On this map, view the distance between the closest University and this property.

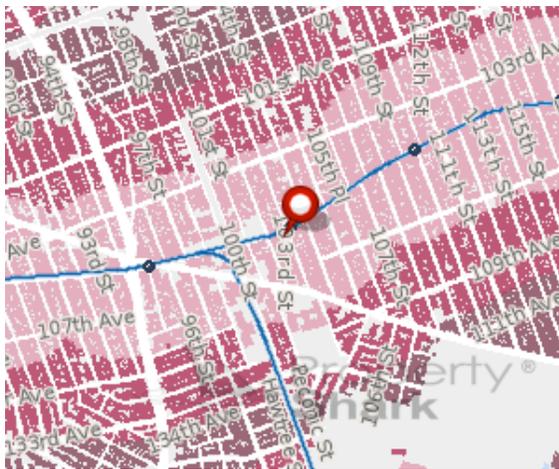


Legend

- University / College
- Inside 1000 ft \*
- \* distances are calculated as radius from University/College

Name: n/a

Distance (feet): n/a



**Subway accessibility (nearest subway station)**

On this color-coded map, view the nearest subway station for each building.

Legend

- Subway Station
- Inside 1000 ft \*
- Inside 2000 ft \*
- Inside 3000 ft \*
- \* distances are calculated as radius from station

Name: 104-02 102 Street

Distance: 219.78

Lines: A-S

**2 Urban Landscape Maps**



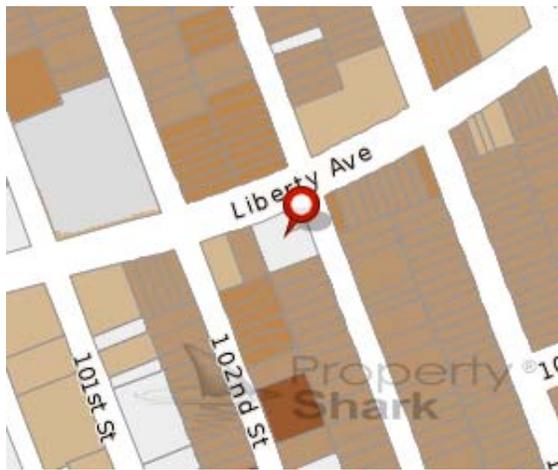
**Year Built**

On this color-coded map, view the year each property was built.

Legend

- 2010 and later
- 2000 - 2009
- 1990 - 1999
- 1970 - 1989
- 1950 - 1969
- 1900 - 1949
- 1900 and earlier

\* Sorry, for this property we don't have any information about the construction year.



\* Sorry, for this property we don't have any information about the number of stories.

### Building Stories

On this map, view the number of stories per building.

#### Legend



## 3 Neighbors

No records found.

## 4 Demographics By Tract

### Tract profile

Tract number	112
Total population	284
Race & Ethnicity	
White	49%
Hispanic and Latino	65%
Others	47%
Housing	
Owners	27%
Average occupants per room	1
Average year structure built	1967
Average year moved in	1990
Average units in structure	1
Economic/Employment	
Median household income	\$41,964
Household income-Employed or retired	53%

### Education

High school graduates	38%
College graduates	4%
Other	30
Average age	91%
Citizens	11%
English speakers	

### Wealth

Median house value	\$0
Median rent	\$633
Owners spending <50% of income on housing	61%
Population in poverty	21%

### Transportation

Commuting by own vehicle	53%
Average travel time to work (min)	30

## 1 Toxic Sites



### Toxic Sites

Toxic site data reported for this property: **No**

Toxic site data reported next to this property: **NO**

### Understanding This Map

This screening map, provided to PropertyShark by [Toxics Targeting](#), shows environmental hazards such as toxic dumps, garbage landfills, leaking tanks, hazardous waste sites, and pollution discharges reported by local, state and federal government authorities.

For information about the hazards that can appear on the map, see our [Pollutants Groups Description FAQ](#). For information about Toxics Targeting, see our [About Toxics Targeting FAQ](#).

### More Details & Help

Call **800-2-TOXICS** (800-286-9427 NYS only) or **607-273-3391** for more info.

**Map Disclaimer:** Mapped locations are approximate; identified sites based on current and/or historic information; site symbols can refer to large properties; additional toxic sites are not mapped; contamination problems can impact properties far from toxic sources; sites include known and potential hazards; regulatory status of sites may have changed.

#### Leaking Tanks & Spills:

- |  |                |  |                               |  |                   |
|--|----------------|--|-------------------------------|--|-------------------|
|  | MTBE Spill     |  | Tank Failure                  |  | Tank Test Failure |
|  | Gasoline Spill |  | Spill greater than 25 gal/lbs |  |                   |

#### Superfund, Brownfields and Solid Waste:

- |  |                            |  |                           |  |                           |
|--|----------------------------|--|---------------------------|--|---------------------------|
|  | US Superfund Priority Site |  | NY Superfund Site         |  | US Superfund/CERCLIS Site |
|  | Brownfield Site            |  | Hazardous Substance Study |  | Solid Waste Facility      |

#### Other Toxic Sites:

- |  |                               |  |                              |  |   |
|--|-------------------------------|--|------------------------------|--|---|
|  | NY Superfund Qualifying Site  |  | Major Oil Storage Facility   |  | Hazardous Waste Corrective Act                            |
|  | Haz Waste Treat/Store/Dispose |  | Toxic Release Inventory Site |  | Legal Civil/Admin Docket                                  |
|  | Hazardous Waste Violation     |  | Air Discharge Facility       |  | Selected NYC Environmental Quality Review "E" Designation |

## 2 Fema Flood Zones Map

To understand flood zoning within the current neighborhood you can review the full map by clicking on this 'minimap'. Flood zoning codes, Fema map panel, and publication date all can be extracted for this target property.

*Legend*



Find out more about: [FEMA Flood Hazard Map](#)

- Moderate to Low Risk Areas**
  - X < 1% ACF
  - 0.2 PCT ACFH \* < 1% ACF
- High Risk Areas**
  - A 1% ACF, no base flood elevations
  - AE 1% ACF, periodic base flood elevations
- High Risk-Coastal Areas**
  - VE =/> 1% ACF + Storm Waves
- Floodway
- COBRA \*\*
- Open Water

\* 0.2% Annual Chance of Flood Hazard  
 \*\* Coastal Barrier Resources System Area  
 ACF = Annual Chance of Flooding

Note: This map was constructed using Fema Flood DFIRM data set.

Link to the map for this property at [FEMA's Map Service Center](#) (may not be available in all locations)

**FEMA Flood Zoning**

<b>FEMA flood zone</b>	X - Low Risk Area
<b>FEMA flood zones</b>	X
<b>Costal barrier resources system area (COBRA)</b>	No
<b>FEMA floodway</b>	n/a

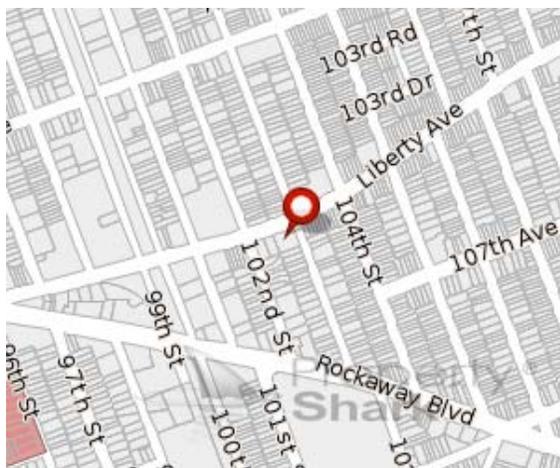
**Distance to...**

<b>Nearest distance to coastline (ft)</b>	6853
<b>Compass direction to coastline</b>	269
<b>Nearest distance to 100 year flood zone area (ft)</b>	152
<b>Compass direction to 100 year flood zone</b>	9

**FEMA Map Details**

<b>Map panel ID</b>	3604970237F
<b>Map quaderant ID</b>	40073-F7
<b>Quaderant name</b>	Jamaica
<b>Mapped to scale 1</b>	6000
<b>Map (source data) publication date</b>	09/05/2007

### 3 Hurricane Evacuation Zones



The map shows recent hurricane evacuation zones and evacuation reception centers.

Legend

- Evacuation Center
- Evacuation Zones:**
  - Zone A - Any Hurricane
  - Zone B - Moderate Hurricane
  - Zone C - Major Hurricane

Zone:

## Disclaimer

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All data comes from government sources. No attempt has been made to validate it. No attempt has been made to validate the accuracy of the programming of this web site. Do not rely on this report to support investment decisions. The only authoritative source for the information in this report is the government agencies from which the data was acquired.

Appendix C  
Fire Insurance Maps

**Liberty Ave, Queens, NY Block 9523 Lot 5**

102-16 Liberty Avenue

Ozone Park, NY 11417

Inquiry Number: 3494880.2

January 15, 2013

## Certified Sanborn® Map Report

# Certified Sanborn® Map Report

1/15/13

**Site Name:**

Liberty Ave, Queens, NY Block  
102-16 Liberty Avenue  
Ozone Park, NY 11417

**Client Name:**

Hydro Tech Env. Corp.  
77 Arkay Drive  
Hauppauge, NY 11788-0000



EDR Inquiry # 3494880.2

Contact: Shana Cross

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Hydro Tech Env. Corp. 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](http://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:** Liberty Ave, Queens, NY Block 9523 Lot 5  
**Address:** 102-16 Liberty Avenue  
**City, State, Zip:** Ozone Park, NY 11417  
**Cross Street:**  
**P.O. #** 5134  
**Project:** 130002  
**Certification #** 4BA0-4F81-8937



Sanborn® Library search results  
Certification # 4BA0-4F81-8937

**Maps Provided:**

2006	1999	1990	1980	1911
2005	1996	1988	1970	1901
2004	1995	1987	1969	
2003	1993	1986	1966	
2002	1992	1985	1950	
2001	1991	1983	1927	

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

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

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## Sanborn Sheet Thumbnails

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



### 2006 Source Sheets



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### 2005 Source Sheets



Volume 4, Sheet 65

### 2004 Source Sheets



Volume 4, Sheet 65

### 2003 Source Sheets



Volume 4, Sheet 65

**2002 Source Sheets**



Volume 4, Sheet 65

**2001 Source Sheets**



Volume 4, Sheet 65

**1999 Source Sheets**



Volume 4, Sheet 65

**1996 Source Sheets**



Volume 4, Sheet 65

**1995 Source Sheets**



Volume 4, Sheet 65

**1993 Source Sheets**



Volume 4, Sheet 65

**1992 Source Sheets**



Volume 4, Sheet 65

**1991 Source Sheets**



Volume 4, Sheet 65

**1990 Source Sheets**



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**1988 Source Sheets**



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**1987 Source Sheets**



Volume 4, Sheet 65

**1986 Source Sheets**



Volume 4, Sheet 65

**1985 Source Sheets**



Volume 4, Sheet 65

**1983 Source Sheets**



Volume 4, Sheet 65

**1980 Source Sheets**



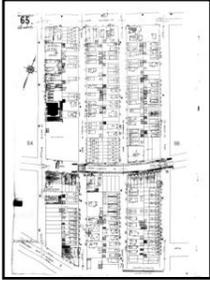
Volume 4, Sheet 65

**1970 Source Sheets**



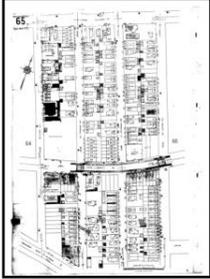
Volume 4, Sheet 65

**1969 Source Sheets**



Volume 4, Sheet 65

**1966 Source Sheets**



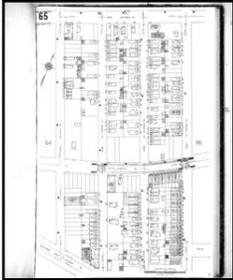
Volume 4, Sheet 65

**1950 Source Sheets**



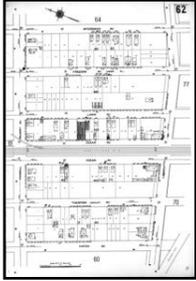
Volume 4, Sheet 65

**1927 Source Sheets**

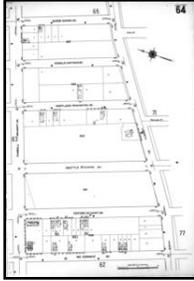


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**1911 Source Sheets**



Volume 4, Sheet 62



Volume 4, Sheet 64



Volume 4, Sheet 77

**1901 Source Sheets**



Volume 4, Sheet 50



Volume 4, Sheet 123

# 2006 Certified Sanborn Map

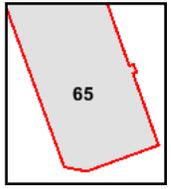
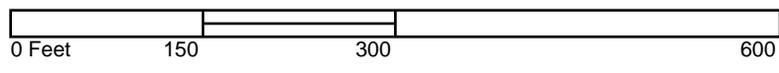
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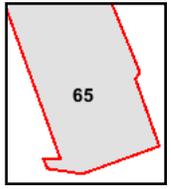
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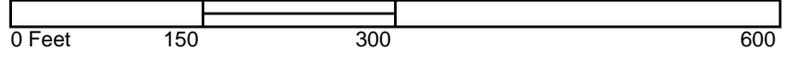
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# 2003 Certified Sanborn Map

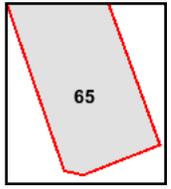
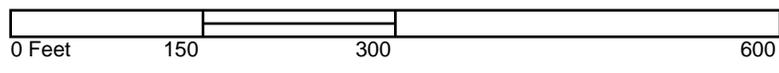
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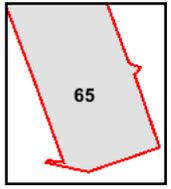
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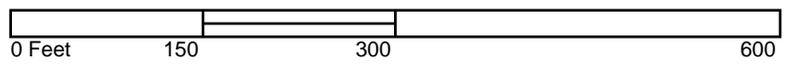
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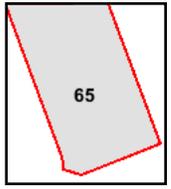
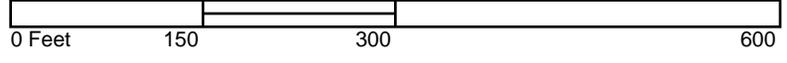
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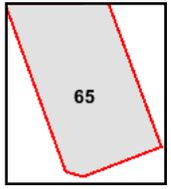
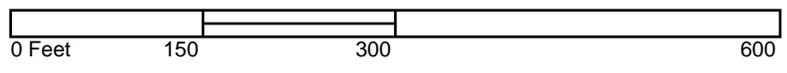
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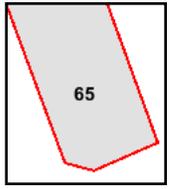


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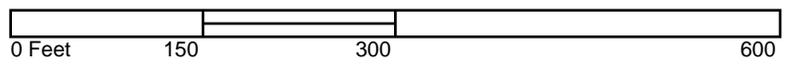
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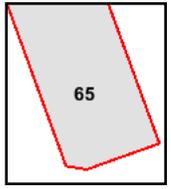
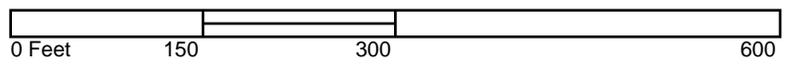
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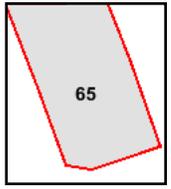
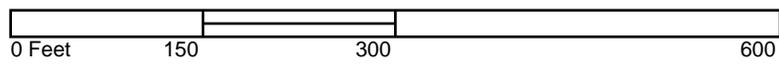
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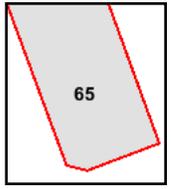
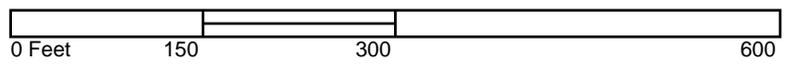
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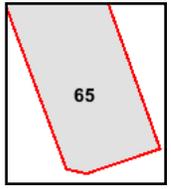
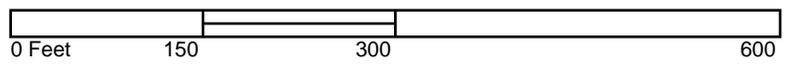
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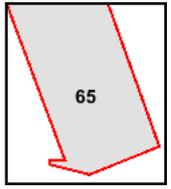
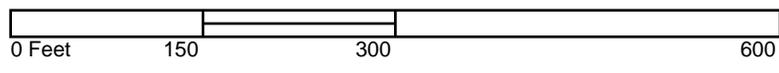
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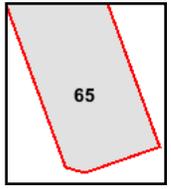
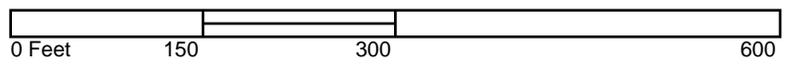
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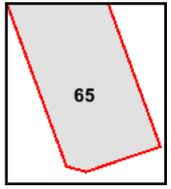
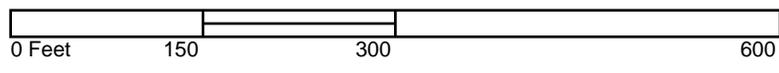
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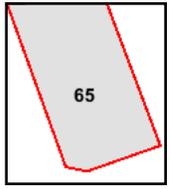
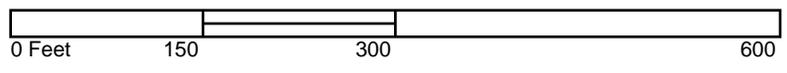
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# 1983 Certified Sanborn Map



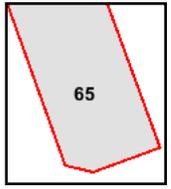
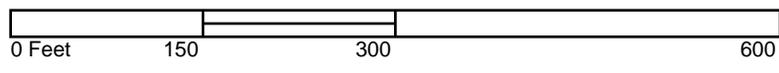
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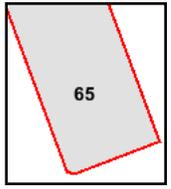
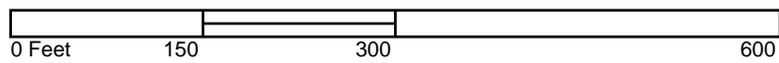
Certification # 4BA0-4F81-8937

Site Name: Liberty Ave, Queens, NY Block 9523 Lot  
 Address: 702-16 Liberty Avenue  
 City, ST, ZIP: Ozone Park NY 11417  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3494880.2  
 Order Date: 1/15/2013 11:41:02 AM  
 Certification # 4BA0-4F81-8937



Copyright: 1980

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 4, Sheet 65



# 1970 Certified Sanborn Map



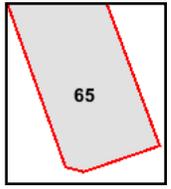
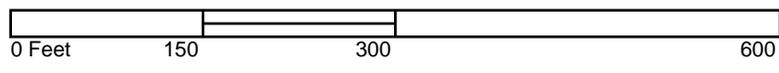
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Certification # 4BA0-4F81-8937

Site Name: Liberty Ave, Queens, NY Block 9523 Lot  
 Address: 702-16 Liberty Avenue  
 City, ST, ZIP: Ozone Park NY 11417  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3494880.2  
 Order Date: 1/15/2013 11:41:02 AM  
 Certification #: 4BA0-4F81-8937



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Volume 4, Sheet 65



# 1969 Certified Sanborn Map

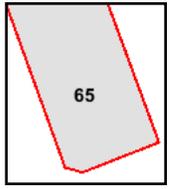
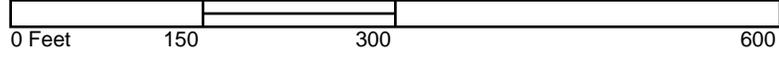
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Certification # 4BA0-4F81-8937

Site Name: Liberty Ave, Queens, NY Block 9523 Lot  
 Address: 702-16 Liberty Avenue  
 City, ST, ZIP: Ozone Park NY 11417  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3494880.2  
 Order Date: 1/15/2013 11:41:02 AM  
 Certification # 4BA0-4F81-8937



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Volume 4, Sheet 65



Copyright: 1969

# 1966 Certified Sanborn Map



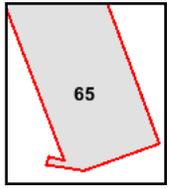
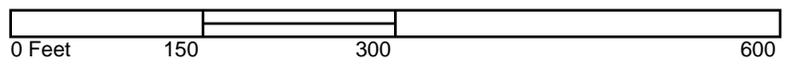
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4BA0-4F81-8937

Site Name: Liberty Ave, Queens, NY Block 9523 Lot  
 Address: 702-16 Liberty Avenue  
 City, ST, ZIP: Ozone Park NY 11417  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3494880.2  
 Order Date: 1/15/2013 11:41:02 AM  
 Certification # 4BA0-4F81-8937



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Volume 4, Sheet 65



# 1950 Certified Sanborn Map

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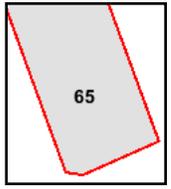
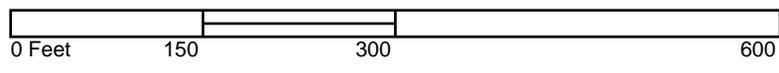
Certification # 4BA0-4F81-8937

Site Name: Liberty Ave, Queens, NY Block 9523 Lot  
 Address: 702-16 Liberty Avenue  
 City, ST, ZIP: Ozone Park NY 11417  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3494880.2  
 Order Date: 1/15/2013 11:41:02 AM  
 Certification #: 4BA0-4F81-8937



Copyright: 1950

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Volume 4, Sheet 65



# 1927 Certified Sanborn Map

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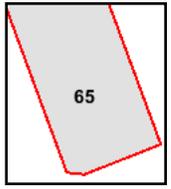
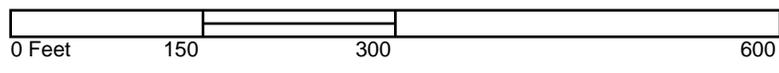
Certification # 4BA0-4F81-8937

Site Name: Liberty Ave, Queens, NY Block 9523 Lot  
 Address: 702-16 Liberty Avenue  
 City, ST, ZIP: Ozone Park NY 11417  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3494880.2  
 Order Date: 1/15/2013 11:41:02 AM  
 Certification # 4BA0-4F81-8937



Copyright: 1927

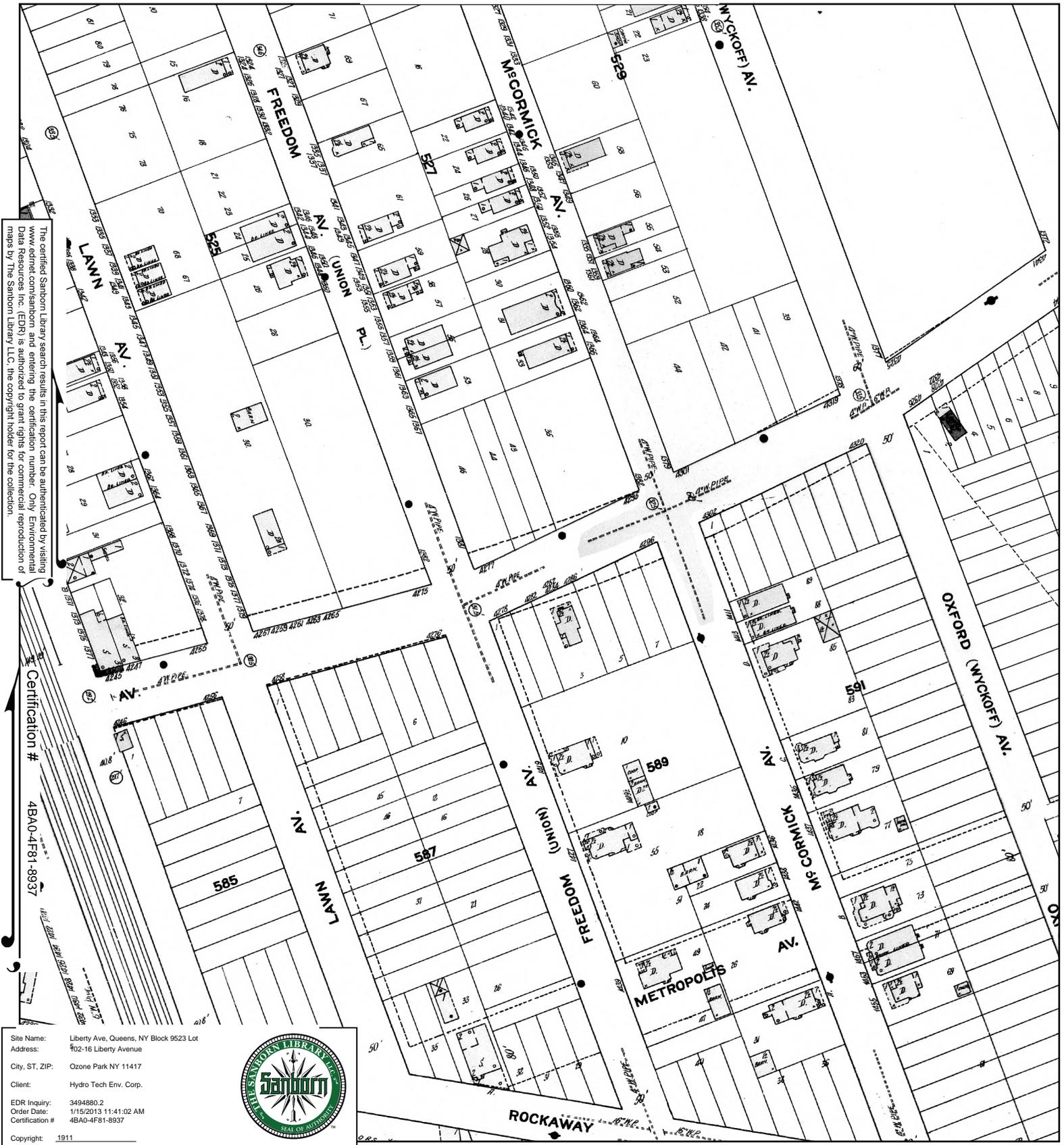
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Volume 4, Sheet 65



# 1911 Certified Sanborn Map



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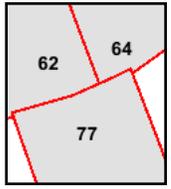
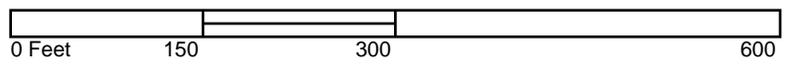
Certification # 4BA0-4F81-8937

Site Name: Liberty Ave, Queens, NY Block 9523 Lot  
 Address: 902-16 Liberty Avenue  
 City, ST, ZIP: Ozone Park NY 11417  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3494880.2  
 Order Date: 1/15/2013 11:41:02 AM  
 Certification # 4BA0-4F81-8937



Copyright: 1911

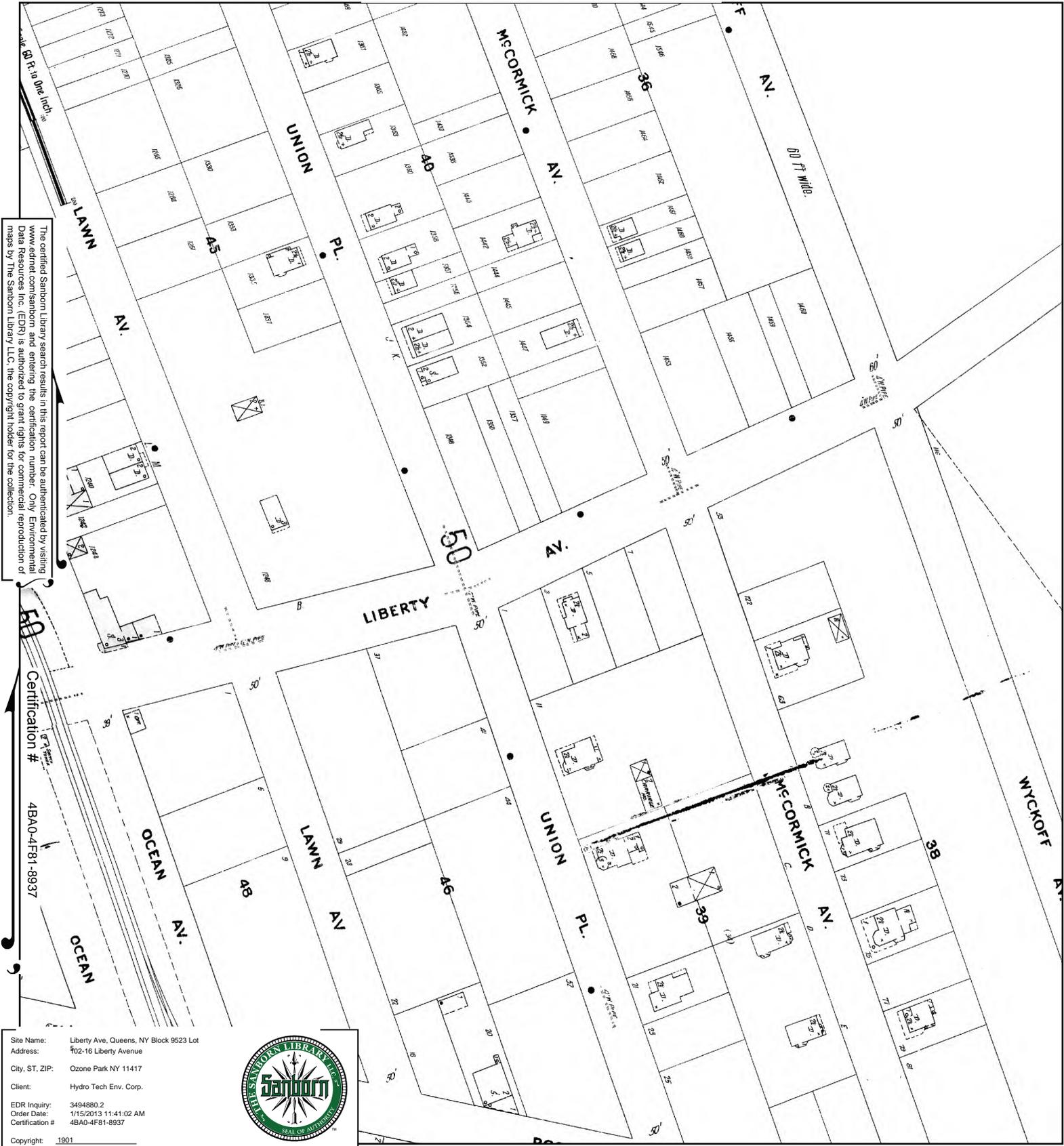
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 4, Sheet 62
- Volume 4, Sheet 64
- Volume 4, Sheet 77



# 1901 Certified Sanborn Map



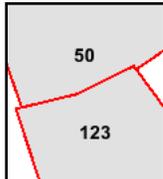
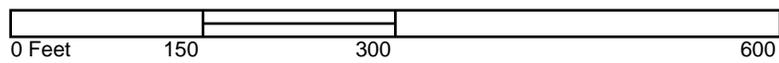
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Certification # 4BA0-4F81-8937

Site Name: Liberty Ave, Queens, NY Block 9523 Lot  
 Address: 702-16 Liberty Avenue  
 City, ST, ZIP: Ozone Park NY 11417  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3494880.2  
 Order Date: 1/15/2013 11:41:02 AM  
 Certification # 4BA0-4F81-8937  
 Copyright: 1901



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 4, Sheet 50  
 Volume 4, Sheet 123



Appendix D  
City Directory Search

**Liberty Ave, Queens, NY Block 9523 Lot 5**

102-16 Liberty Avenue  
Ozone Park, NY 11417

Inquiry Number: 3494880.3

January 14, 2013

## The EDR-City Directory Abstract

## 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.

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## EXECUTIVE SUMMARY

### DESCRIPTION

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

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2012. 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.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2012	Cole Information Services	-	X	X	-
2007	Cole Information Services	-	X	X	-
2005	Hill-Donnelly Information Services	-	X	X	-
2000	Cole Information Services	-	X	X	-
1996	NYNEX	-	X	X	-
1991	NYNEX Information Resource Company	X	X	X	-
1983	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1967	New York Telephone	-	X	X	-
1962	New York Telephone Directory	-	X	X	-
1950	New York Telephone	-	X	X	-
1945	New York Telephone	-	X	X	-
1939	New York Telephone Company	-	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
1922	The Metropolitan Directory Co.	-	-	-	-

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

102-16 Liberty Avenue  
Ozone Park, NY 11417

### FINDINGS DETAIL

Target Property research detail.

### LIBERTY AVE

#### 10216 LIBERTY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Anthony's Auto Sales	NYNEX Information Resource Company

## FINDINGS

### ADJOINING PROPERTY DETAIL

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

#### 102ND ST

##### 104-01 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	BAVARO RALPH	New York Telephone
	LAFORGIA JOS	New York Telephone

##### 104-02 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	R&R BEAUTY SHOPPE	New York Telephone
	EPSTEIN J	New York Telephone

##### 104-03 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	MIGLIORE HENRY	New York Telephone
	U S GOVT POST OFFICE DEPT	New York Telephone

##### 104-04 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	CINICOLA EUGENE	New York Telephone
	KEELER MADELINE	New York Telephone
	SCOURSI PAUL J	New York Telephone

##### 104-06 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	SIVO&SON COAL&FUEL OIL	New York Telephone

##### 104-08 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	DE BRITA ALEXNDR -	New York Telephone

##### 104-09 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	SEBASTIAN PAT	New York Telephone

## FINDINGS

### 104-10 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	MARTINELLI ANGELO	New York Telephone

### 104-12 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	DE VITO MICHL	New York Telephone
	BARBARITO JOS	New York Telephone

### 104-14 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	SZYMCZAK BARBARA	New York Telephone

### 104-16 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	FREILICH DAVID T	New York Telephone
	FREILICH JOS	New York Telephone
	SCHWARTZ ALBERT E MRS	New York Telephone
	BEAULIEU LOUIS	New York Telephone

### 104-18 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	BAUCHLE WM K	New York Telephone

### 104-19 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	G	New York Telephone

### 104-20 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	SARGENT RENA E	New York Telephone

### 104-22 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	BELETSKY SAML	New York Telephone

### 104-24 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	MONNEY FRANCIS T	New York Telephone
	BOOS WM	New York Telephone

## FINDINGS

### 104-27 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	NAPOLITANO JAS	New York Telephone

### 104-28 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	RICHARD JERRY	New York Telephone

### 104-32 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	MUGNANO SALVATORE	New York Telephone

### 104-34 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	DI PAOLA ERASMUS	New York Telephone

### 104-35 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	MOGILEFSKY EDW REV	New York Telephone
	LIVINGSTON JAS G	New York Telephone
	LAZAROFF M	New York Telephone
	LANG F JOS	New York Telephone
	KEATS RICH D J	New York Telephone
	KANNEL EVELYN MRS	New York Telephone
	J	New York Telephone
	HANKIN REUBEN	New York Telephone
	GOLDBERG I	New York Telephone
	GIMBERG FRED	New York Telephone
	GIAMBRONE SAML	New York Telephone
	DOMANIEWICZ ABRAM	New York Telephone
	COHEN JOS	New York Telephone
	BRAUN LEICESTER	New York Telephone
	BARRY CHAS L	New York Telephone
	WEITZMAN IDA	New York Telephone
	TRETOLA D J	New York Telephone
	SHAFER MORRIS J	New York Telephone
	SCHNEIDER ABRAHAM	New York Telephone
	SAUNDERS FREDK	New York Telephone
	PINKNEY EVERETT E	New York Telephone
	ROSS JOHN J	New York Telephone

## FINDINGS

### 104-36 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	HEANEY ANNA M MRS	New York Telephone
	REINHOLD F	New York Telephone

### 104-39 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	M	New York Telephone

### 10402 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Lottie & Helen Beauty Shop	New York Telephone
1962	Chickies Hair Stylists	New York Telephone Directory

### 10404 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Di Bello V	New York Telephone
	Crockett Susan	New York Telephone
1976	Dalcamo Calogero	New York Telephone
1970	Stevenson Evelyn Mae	New York Telephone
1967	Stevenson Evelyn Mae	New York Telephone
	Scoursi Paul J	New York Telephone
1962	Stevenson Evelyn Mae	New York Telephone Directory
	Scours Paul J	New York Telephone Directory

### 10406 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Arthur Martin Plumbing Co Inc	New York Telephone
1934	Adams John Barber shop TN: Bartholomew Forte	R. L. Polk & Co.
	Painter Harold W Helen: Richmond Hill Coal & Coke Co	R. L. Polk & Co.

### 10407 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Assn of Lithuanian Workrs	New York Telephone
1970	Assn of Lithuanian Workrs	New York Telephone
1967	Assn of Lithuanian Workrs	New York Telephone
1962	Assn of Lithuanian Workrs	New York Telephone Directory

## FINDINGS

### 10408 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Fairway Construction Co	New York Telephone
1939	Cross Bay Press	New York Telephone Company
	Cross Bay Photo Supl Co	New York Telephone Company
1934	Cross Bay Press RTN: Geo W Wichesser printer	R. L. Polk & Co.

### 10409 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	ALL TRIMS INDUSTRY	Cole Information Services
2000	All Trims Industry	Cole Information Services

### 10410 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Aarons Jack licensed electrcl contr	New York Telephone
	AA Elec Svce	New York Telephone
1967	Aarons Jack licensed electrcl contr	New York Telephone
	AA ELEC SVCE	New York Telephone
1962	Aarons Jack licensed electrcl contr	New York Telephone Directory
	AA ELEC SVCE	New York Telephone Directory

### 10411 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	h Ramsoomye Rachael AV	Hill-Donnelly Information Services
	h Jankle Chnadrika	Hill-Donnelly Information Services
2000	Rachael Ramsoomye	Cole Information Services
	L Harris	Cole Information Services
1991	Singh Savitri M	NYNEX Information Resource Company
	Ramsoomye Rachael	NYNEX Information Resource Company
1983	Ramsoomye Rachael	New York Telephone

### 10412 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Ahmad Shiek VO	Hill-Donnelly Information Services
2000	Ninfa De Vito	Cole Information Services
	Ninfa De Vito	Cole Information Services
	Damien Wallace	Cole Information Services
1991	De Vito Michi	NYNEX Information Resource Company
	Fuschetto Anthony	NYNEX Information Resource Company
	Fuschetto L	NYNEX Information Resource Company

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Scollo M	New York Telephone
	De Vito Michl	New York Telephone
1976	De Vito Michl	New York Telephone
	Fitzmaurice William P	New York Telephone
1970	De Vito Michl	New York Telephone
1967	DeVito Michl	New York Telephone
	Fitzmaurice Wm P	New York Telephone
1962	De Vito Michl	New York Telephone Directory
1945	De Vito Michl	New York Telephone
1934	Anderson Harold E Sophia meat ctr	R. L. Polk & Co.
	Anderson Muriel clk	R. L. Polk & Co.

### 10415 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	No Current Listing	Hill-Donnelly Information Services
2000	Amy Kissane	Cole Information Services
	Adnana A Lopez	Cole Information Services
1983	Moloney Maureen T	New York Telephone
	Sanchez Victoria	New York Telephone
1976	Lim Eugene	New York Telephone

### 10416 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Mahabir Roodal & Flora	Hill-Donnelly Information Services
	Persaud IPVA	Hill-Donnelly Information Services
	Lambert G vo	Hill-Donnelly Information Services
	Deownarain Bhowanratty V	Hill-Donnelly Information Services
2000	Kestwantee Persaud	Cole Information Services
	Indra Persaud	Cole Information Services
	Damindra Persaud	Cole Information Services
	K Deonarain	Cole Information Services
	Charles Graves	Cole Information Services
	Pedro Agred	Cole Information Services
1991	Hodges S	NYNEX Information Resource Company
1983	Gebhardt John H	New York Telephone
	Ciani Peter	New York Telephone
1976	Gebhardt John H	New York Telephone
1970	Gebhardt John H	New York Telephone
1967	Gebhardt John H	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Gebhardt John H	New York Telephone Directory
	Beaulieu Louis	New York Telephone Directory
1945	Lane Lillian theatrl mgr	New York Telephone
	Deuter E	New York Telephone
1939	Deuter E	New York Telephone Company
1934	Gronsbell Herman Harriet ins agt	R. L. Polk & Co.
	Deuter Emma wid Jacob	R. L. Polk & Co.

### 10417 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	All Zaitoon	Hill-Donnelly Information Services
	Sifuentes Carlos v	Hill-Donnelly Information Services
2000	Nezam Mohammed	Cole Information Services
	Emma Caceres	Cole Information Services
	Milton Caceres	Cole Information Services
	Ainsworth Geddes	Cole Information Services
1991	Perez Jose M	NYNEX Information Resource Company
	Lombardi Stephen	NYNEX Information Resource Company
	Caamano Eleuterio	NYNEX Information Resource Company
1983	Caamano Eleuterio	New York Telephone
	Reilly James	New York Telephone

### 10418 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Hanley Dennis	NYNEX Information Resource Company

### 10419 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	H Perez Ricardo A AO 718 843 1135 e	Hill-Donnelly Information Services
	Paez Ramona	Hill-Donnelly Information Services
	h Agullar Matilde v	Hill-Donnelly Information Services
2000	Matilde Aguilar	Cole Information Services
	Ricardo A Perez	Cole Information Services
1991	Roberts M G	NYNEX Information Resource Company
	Perez Ricardo A	NYNEX Information Resource Company
1983	Dado Cathy	New York Telephone
	Perez Ricardo A	New York Telephone
1976	Ciani Peter	New York Telephone
1970	Garofano Antonio	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Garofano Antonio	New York Telephone
	Elvezio Gennaro	New York Telephone
1962	Garofano Antonio	New York Telephone Directory
1934	Garofano Thos student	R. L. Polk & Co.
	Garofano Anthony Angelina mason supplies	R. L. Polk & Co.
	Garofano Peter bkpr	R. L. Polk & Co.

### 10421 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Chan Ang	Hill-Donnelly Information Services
2000	Ang Chan	Cole Information Services
1996	FRIEDLANDER Stuart	NYNEX
1991	Friedlander Stuart	NYNEX Information Resource Company
	Chan Ang	NYNEX Information Resource Company
1983	Cirulnick Leon	New York Telephone
	Maneen Richard S	New York Telephone
	Leto Frank W	New York Telephone

### 10422 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	Tepper Saml Lila slsmn	R. L. Polk & Co.
	Cartier Fredk J Madeline formn	R. L. Polk & Co.

### 10423 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2007	MABCO CONSTRUCTION INC	Cole Information Services
2005	Alam Mohammad	Hill-Donnelly Information Services
	Salahuddin B M v	Hill-Donnelly Information Services
	Hasan Muhammad Sarwar v O	Hill-Donnelly Information Services
	Mabco Construction Inc	Hill-Donnelly Information Services
	h Rahman Mohammed	Hill-Donnelly Information Services
2000	Tanq Emran	Cole Information Services
	Shawnoon Mahmad	Cole Information Services
	Mohammed Rahman	Cole Information Services
	Salahuddin	Cole Information Services
	Apartments	Cole Information Services
1991	Hoermann Denise	NYNEX Information Resource Company

## FINDINGS

### 10424 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	H Bhoodal Roopnarine Y a	Hill-Donnelly Information Services
2000	Khemraj Dhanpaul	Cole Information Services
	Bhoodai	Cole Information Services
	Ramjatan Bhoodai	Cole Information Services
1991	OGara Michael	NYNEX Information Resource Company
	Alexander Robert	NYNEX Information Resource Company
1983	Auriemma Thos G	New York Telephone
1976	Auriemma Thos G	New York Telephone
1970	Auriemma Thos G	New York Telephone
1967	Auriemma Anthony H	New York Telephone
1962	Auriemma Thos G	New York Telephone Directory
1945	Mooney Francis T	New York Telephone
	Boos Wm	New York Telephone
1939	Boos Wm	New York Telephone Company
1934	Roden John H Anna M D stmftr hlpr	R. L. Polk & Co.
	Ramshore Sidney Florence slsmn	R. L. Polk & Co.
	Boos Wm Cath farmer	R. L. Polk & Co.

### 10426 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Salac Sheila o	Hill-Donnelly Information Services
	h Garcia Catherine v	Hill-Donnelly Information Services
2000	Notmita Salac	Cole Information Services
1991	Balatbat Lourdes	NYNEX Information Resource Company
1976	Galeno Michael A	New York Telephone
1967	Guzzo John	New York Telephone
1934	Smith Louis J Helen mach	R. L. Polk & Co.
	Allocco Saml pntr	R. L. Polk & Co.

### 10427 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Naralne Umar v	Hill-Donnelly Information Services
	h Ramcharran Parbatie T	Hill-Donnelly Information Services
	Santos Irma Judith v	Hill-Donnelly Information Services
2000	Sherry Amin	Cole Information Services
	Parbatie Timal	Cole Information Services
1991	Lucchese Jos	NYNEX Information Resource Company
	Napolitano Jas	NYNEX Information Resource Company

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Napolitano Jas	New York Telephone
	Skabowski Robert	New York Telephone
1976	Braice Julia	New York Telephone
1970	Braice Julia	New York Telephone
	Napolitano Jas	New York Telephone
1967	Braice Julia	New York Telephone
	Napolitano Jas	New York Telephone
1962	Braice Julia	New York Telephone Directory
	Napolitano Jas	New York Telephone Directory
1945	Klein Christine	New York Telephone
1939	Due Julius	New York Telephone Company
1934	Merschhoff Adam Maud cash	R. L. Polk & Co.

### 10428 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Persaud Takechand A	Hill-Donnelly Information Services
2000	Takechand Persaud	Cole Information Services
1945	Salchli Albert	New York Telephone
1939	Christian Wm S	New York Telephone Company
1934	Christian Andrew Edith carp	R. L. Polk & Co.

### 10432 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Ramgobin Chandragopaul V	Hill-Donnelly Information Services
	Persaud Savitri	Hill-Donnelly Information Services
	Persaud Niranjanie Vv	Hill-Donnelly Information Services
1962	Falzone Connie Mrs	New York Telephone Directory
1945	Mugnano Salvatore	New York Telephone
1939	Smith Harry O	New York Telephone Company
1934	Palmer Dorothy student	R. L. Polk & Co.
	Palmer Edwin L Cecelia ins agt	R. L. Polk & Co.
	Palmer Geo clk	R. L. Polk & Co.

### 10434 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	H Zarzycki F MAO	Hill-Donnelly Information Services
1970	Zarzycki Marie R	New York Telephone
1967	Zarzycki Marie R	New York Telephone
1962	Frey G	New York Telephone Directory

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Barre Harry	New York Telephone Company
1934	Barre Henry H Ida slsmn	R. L. Polk & Co.
<b>10435 102ND ST</b>		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	UDDIN MOHAMMED	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr A 4 Ahmed Shaikh	Hill-Donnelly Information Services
	All Mohammed V 0718 323 6643 a	Hill-Donnelly Information Services
	Begum Nesha V	Hill-Donnelly Information Services
	Numbr A 4 Cintron Carmen	Hill-Donnelly Information Services
	Numbr CC 2 Dautaj Muhimet	Hill-Donnelly Information Services
	Gonzalez Salvador	Hill-Donnelly Information Services
	Hossain Mohammed	Hill-Donnelly Information Services
	Mckenzle Marva	Hill-Donnelly Information Services
	Rahman Mohammad v	Hill-Donnelly Information Services
	Numbr C 2 Rodriguez Marilyn	Hill-Donnelly Information Services
	Shirmin Syeda V	Hill-Donnelly Information Services
	Numbr A 4 h Sultana Nargis vo 718 323 5795 00oo	Hill-Donnelly Information Services
	Thackurdeen Ghans v	Hill-Donnelly Information Services
	Numbr B 1 Uddin Mohammed Vo	Hill-Donnelly Information Services
	Numbr D 2 Urriola Patricia 40718 848 5972 a	Hill-Donnelly Information Services
2000	Apartments Sookram Bhoodai	Cole Information Services
	Muhamet Daudaj	Cole Information Services
	Mohammed Farok	Cole Information Services
	BB 1 Donald L Graham	Cole Information Services
	Anwar Hossain	Cole Information Services
	Carlos Jar	Cole Information Services
	Shirajul I Khan	Cole Information Services
	AA 1 May A Mangru	Cole Information Services
	Renu H Mian	Cole Information Services
	Marilyn Rodr	Cole Information Services
	Quazi A Salam	Cole Information Services
1991	Werner Frank	NYNEX Information Resource Company
	Young J H	NYNEX Information Resource Company
	Young J M	NYNEX Information Resource Company
	Pollack Israel	NYNEX Information Resource Company
	Aponte Edna	NYNEX Information Resource Company

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Cohen Marty	NYNEX Information Resource Company
	Davis F	NYNEX Information Resource Company
	Esguerra N	NYNEX Information Resource Company
	Feliz L	NYNEX Information Resource Company
	Flanagan Joseph J	NYNEX Information Resource Company
	Graham Donald L	NYNEX Information Resource Company
	Granger R	NYNEX Information Resource Company
	Lane Michael	NYNEX Information Resource Company
	Perry Steven	NYNEX Information Resource Company
	Prekopy Edw J	NYNEX Information Resource Company
	Striegel Walter	NYNEX Information Resource Company
1983	Strienfeld Murray	NYNEX Information Resource Company
	Pollack Israel	New York Telephone
	Dando K	New York Telephone
	Davis F	New York Telephone
	Dito Cindy A	New York Telephone
	Ferrante Rose	New York Telephone
	Ferriter Katherine	New York Telephone
	Flanagan Joseph J	New York Telephone
	Haas Martha K Mrs	New York Telephone
	Herman P	New York Telephone
	Hough Daniel	New York Telephone
	Pinkney Everett E	New York Telephone
	Prekopy Edw J	New York Telephone
	Roche Nicholas J	New York Telephone
	Rodriguez Felipe	New York Telephone
	Solanki Mahendra	New York Telephone
	Striegel Waiter	New York Telephone
	Werner Frank	New York Telephone
	Yengel Chas	New York Telephone
	Young J H	New York Telephone
Young J M	New York Telephone	
1976	Bono N J	New York Telephone
	Braun Leicester	New York Telephone
	Davis F	New York Telephone
	Flanagan Joseph J	New York Telephone
	Haas Martha K Mrs	New York Telephone
Howard William	New York Telephone	

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Jahncke W	New York Telephone
	Kaczmarczyk S	New York Telephone
	Kuhl L	New York Telephone
	Magee Margaret	New York Telephone
1970	Bernstein Jack	New York Telephone
	Bono N J	New York Telephone
	Braun Leicester	New York Telephone
	DiGiacomo Richd	New York Telephone
	Flanagan Blanche	New York Telephone
	Gonzalez Juan	New York Telephone
	Haas Martha K Mrs	New York Telephone
	Kaczmarczyk S	New York Telephone
	Ku John	New York Telephone
	Liehr Eugene	New York Telephone
	Murray Bernard J	New York Telephone
	Newman Lily	New York Telephone
	Pinkney Everett E	New York Telephone
	Prekopy Edw J	New York Telephone
	Roche Nicholas J	New York Telephone
	Saar Chas	New York Telephone
	Sclafani Vincent J	New York Telephone
	Soldano Josephine	New York Telephone
	Tuozzo Jas	New York Telephone
	Wehle Jerome	New York Telephone
Weitzman Ida	New York Telephone	
Werner Frank	New York Telephone	
Wilkinson Bertna Mrs	New York Telephone	
Wolff Rae Mrs	New York Telephone	
Pollack Eva	New York Telephone	
1967	Bernstein Jack	New York Telephone
	Boyle Chas F	New York Telephone
	Boyle L Mrs	New York Telephone
	Braun Leicester	New York Telephone
	DiGiacomo Richd	New York Telephone
	Domaniewitz Abe	New York Telephone
	Flanagan Blanche	New York Telephone
	Haas Martha K Mrs	New York Telephone
Liehr Eugene	New York Telephone	

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	McHugh Edw	New York Telephone
	Pinkney Everett E	New York Telephone
	Prekopy Edw J	New York Telephone
	Roche Nicholas J	New York Telephone
	Saar Chas	New York Telephone
	Schulz Mary V	New York Telephone
	Sclafani Vincent J	New York Telephone
	Soldano Josephine	New York Telephone
	Weitzman Ida	New York Telephone
	Werner Frank	New York Telephone
	Wilkinson Bertna Mrs	New York Telephone
	Wolff Rae Mrs	New York Telephone
	Young J H	New York Telephone
1962	Bernstein Jack	New York Telephone Directory
	Boyle L Mrs	New York Telephone Directory
	Braun Leicester	New York Telephone Directory
	Cordani John J	New York Telephone Directory
	Curreri Jerome T	New York Telephone Directory
	Davis Edw M	New York Telephone Directory
	DiGiacomo Richd	New York Telephone Directory
	Domaniewitz Abe	New York Telephone Directory
	Feldscher Henry F	New York Telephone Directory
	Guerra Oriando A	New York Telephone Directory
	Horwath Geo W	New York Telephone Directory
	Killian Peter	New York Telephone Directory
	McPhillips Jas J	New York Telephone Directory
	Moltmann Grant	New York Telephone Directory
	Patti J	New York Telephone Directory
	Peterson Thore H	New York Telephone Directory
	Pinkney Everett E	New York Telephone Directory
	Prekopy Edw J	New York Telephone Directory
	Rind Nathan	New York Telephone Directory
	Ruland S L	New York Telephone Directory
	Schneider Abraham	New York Telephone Directory
	Sclafani Vincent J	New York Telephone Directory
	Sheridan Beryl	New York Telephone Directory
	Soldano Josephine	New York Telephone Directory
	Tello Carmen	New York Telephone Directory

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Vicari Clement J	New York Telephone Directory
	Weitzman Ida	New York Telephone Directory
	Werner Frank	New York Telephone Directory
1945	Lazaroff M	New York Telephone
	Tretola D J	New York Telephone
	Braun Leicester	New York Telephone
	De Micco Ralph	New York Telephone
	Gomberg Harry	New York Telephone
	Hankin Reuben	New York Telephone
	Harris Russell E	New York Telephone
	Livingston Jas G	New York Telephone
	Pinkney Everett E	New York Telephone
1939	Goldberg I	New York Telephone Company
	Benson Eileen A nrse	New York Telephone Company
	Coleman Jas A	New York Telephone Company
	Pinkney Everett E	New York Telephone Company
	Rush Philip	New York Telephone Company
1934	Garfield Fredk M Marie M lawyer	R. L. Polk & Co.
	Lynch Thos J police	R. L. Polk & Co.
	Sonner Carl J Minnie electn	R. L. Polk & Co.
	Stewart Geo Anne clk	R. L. Polk & Co.
	Tepper Jacob Anna gas sta	R. L. Polk & Co.
	Wheeler Wm W Augusta A	R. L. Polk & Co.
	Blinn Herbert N Fidelina poilce	R. L. Polk & Co.
	Blinn Jennie wid Jas	R. L. Polk & Co.
	Bliss Frank M auto mech	R. L. Polk & Co.
	Bliss Wm L auto mech	R. L. Polk & Co.
	Brown Edw	R. L. Polk & Co.
	Clash Thos E Ellen	R. L. Polk & Co.
	Coleman Albert J Mae clk	R. L. Polk & Co.
	Coleman Jas A Mary mgr Mhn	R. L. Polk & Co.
	Coleman Robt clk	R. L. Polk & Co.
	Cooney Gertrude sten	R. L. Polk & Co.
	DAmello John Mary fcty wkr	R. L. Polk & Co.
	Ferren Ruby M tel opr	R. L. Polk & Co.
	Filton A G electn wkr	R. L. Polk & Co.
	Fitten Albert C Madeline electn	R. L. Polk & Co.
Hershenhart Saul H & S Service Sta	R. L. Polk & Co.	

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	Kaucher Philip jr clk	R. L. Polk & Co.
	Lichtell John B Frances plmbr	R. L. Polk & Co.
	Ronteltap John L Nora clk	R. L. Polk & Co.
	Sarubbi Michl Marie bus line	R. L. Polk & Co.
	Siemens Rudolph H Cath radio eng	R. L. Polk & Co.

### 10436 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	h Khan Zahabobdin	Hill-Donnelly Information Services
2000	Hafid Alaoui	Cole Information Services
	Zahabobdin Khan	Cole Information Services
	Goncharran Lochan	Cole Information Services
	Molly Persad	Cole Information Services
1976	Carberry Frank	New York Telephone
1970	Reinhold Chas A	New York Telephone
1967	Reinhold Chas A	New York Telephone
	Heaney Anna M Mrs	New York Telephone
1962	Reinhold Chas A	New York Telephone Directory
	Heaney Anna M Mrs	New York Telephone Directory
1945	Heaney Anna M Mrs	New York Telephone
	Heaney Anna M Mrs	New York Telephone
	Reinhold F	New York Telephone
1939	Reinhold F	New York Telephone Company
1934	Geersen Bernard Elise	R. L. Polk & Co.
	Reinhold Chas A Frances slsmn	R. L. Polk & Co.

### 10438 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Beepat Bute vo	Hill-Donnelly Information Services
2000	Liloutie Madalall	Cole Information Services
	Ramjatan Bhoodai	Cole Information Services
	S Biradie	Cole Information Services
	Yessica Caceres	Cole Information Services

### 10439 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	HTrombina Giovanna L	Hill-Donnelly Information Services
2000	Philip Trombin	Cole Information Services
1991	Trombina Philip	NYNEX Information Resource Company

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Pergola G L	New York Telephone
1970	Pergola Peter	New York Telephone
1967	Pergola Peter	New York Telephone
1962	Pergola Salvatore	New York Telephone Directory
	Pergola Peter	New York Telephone Directory
1934	Dinkfield Martin Ruth Sterling Welding Wks	R. L. Polk & Co.
	Merk Chas Wilhelmina meats	R. L. Polk & Co.

### 10440 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Lea Juel V	Hill-Donnelly Information Services
	Torres Ruben vo	Hill-Donnelly Information Services
2000	Paul Debono	Cole Information Services
	C Cuadras	Cole Information Services

### 10451 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Mc William Wm J	New York Telephone Company

### 3 102ND ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	E C Whitelaw	Cole Information Services

## LIBERTY AVE

### 10202 LIBERTY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	FLEX MIND BODY & SPIRIT HEALTH & FIT	Cole Information Services
2005	Flex Mind Body & Spirit Health	Hill-Donnelly Information Services
1991	Liberty Electronics Inc	NYNEX Information Resource Company
1983	Lithuanian Cooperative Publsgh Soc Inc	New York Telephone
	Laisve Lithuanian Semi Weekly	New York Telephone
1976	Lithuanian Cooperative Publsgh Soc Inc	New York Telephone
	Laisve Lithuanian Semi Weekly	New York Telephone
1970	Laisve Lithuanian Semi Weekly	New York Telephone
	Lithuanian Cooperative Publsgh Soc Inc	New York Telephone
1967	Lithuanian Literary Soc	New York Telephone
	Lithuanian Cooperative Publsgh Soc Inc	New York Telephone
	Laisve Lithuanian Semi Weekly	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Lithuanian Co operative Publshg Soc Inc	New York Telephone Directory
	Laisve Lithuanian Saml Weekly	New York Telephone Directory
1945	Stone Florence Mrs statnry	New York Telephone
1939	Greenberg Murray statnry	New York Telephone Company

### 10204 LIBERTY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	JVC CABINETS	Cole Information Services
2007	FLEX MIND BODY & SPIRIT	Cole Information Services
1991	Guy Jam Enterprise Inc	NYNEX Information Resource Company

### 10208 LIBERTY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	H Scotti Giacomo AV	Hill-Donnelly Information Services
1991	Scotti Giacomo	NYNEX Information Resource Company
	Aldino Ciro	NYNEX Information Resource Company
1983	Scotti Giacomo	New York Telephone
1976	Brzozowski Greg	New York Telephone
1967	Amato L	New York Telephone
	Esposito Fred	New York Telephone
1962	Esposito L	New York Telephone Directory
	Esposito Fred	New York Telephone Directory

### 10211 LIBERTY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	DeDona Parking	New York Telephone Directory

### 10215 LIBERTY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	CLEANCO CLEANOUT SERVICE	Cole Information Services
2007	MOVECO INC	Cole Information Services
2005	Moveco Inc 10 718 738 8732 a	Hill-Donnelly Information Services

### 10237 LIBERTY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Goodmans Dairy	New York Telephone Company

## 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

102-16 Liberty Avenue

#### Address Not Identified in Research Source

2012, 2007, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

### 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

10202 LIBERTY AVE

#### Address Not Identified in Research Source

2012, 2007, 2000, 1996, 1950, 1934, 1922

10202 LIBERTY AVE

2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

10204 LIBERTY AVE

2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

10204 LIBERTY AVE

2012, 2007, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

10208 LIBERTY AVE

2012, 2007, 2000, 1996, 1970, 1950, 1945, 1939, 1934, 1922

10211 LIBERTY AVE

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922

10215 LIBERTY AVE

2012, 2007, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

10215 LIBERTY AVE

2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

10237 LIBERTY AVE

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922

104-01 102ND ST

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

104-02 102ND ST

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

104-03 102ND ST

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

104-04 102ND ST

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

104-06 102ND ST

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

104-08 102ND ST

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

104-09 102ND ST

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

104-10 102ND ST

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

## FINDINGS

### Address Researched

### Address Not Identified in Research Source

104-12 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-14 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-16 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-18 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-19 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-20 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-22 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-24 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-27 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-28 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-32 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-34 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-35 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-36 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
104-39 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10402 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1934, 1922
10404 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1950, 1945, 1939, 1934, 1922
10406 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1922
10407 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1950, 1945, 1939, 1934, 1922
10408 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1922
10409 102ND ST	2012, 2007, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
10409 102ND ST	2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
10410 102ND ST	2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1950, 1945, 1939, 1934, 1922
10411 102ND ST	2012, 2007, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
10412 102ND ST	2012, 2007, 1996, 1950, 1939, 1922
10415 102ND ST	2012, 2007, 1996, 1991, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

## FINDINGS

### **Address Researched**

10416 102ND ST

10417 102ND ST

10418 102ND ST

10419 102ND ST

10421 102ND ST

10422 102ND ST

10423 102ND ST

10423 102ND ST

10424 102ND ST

10426 102ND ST

10427 102ND ST

10428 102ND ST

10432 102ND ST

10434 102ND ST

10435 102ND ST

10435 102ND ST

10436 102ND ST

10438 102ND ST

10439 102ND ST

10440 102ND ST

10451 102ND ST

3 102ND ST

### **Address Not Identified in Research Source**

2012, 2007, 1996, 1950, 1922

2012, 2007, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

2012, 2007, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

2012, 2007, 1996, 1950, 1945, 1939, 1922

2012, 2007, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

2012, 2007, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

2012, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

2012, 2007, 1996, 1950, 1922

2012, 2007, 1996, 1983, 1970, 1962, 1950, 1945, 1939, 1922

2012, 2007, 1996, 1950, 1922

2012, 2007, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922

2012, 2007, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1922

2012, 2007, 2000, 1996, 1991, 1983, 1976, 1950, 1945, 1922

2012, 2007, 1996, 1950, 1922

2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

2012, 2007, 1996, 1991, 1983, 1950, 1922

2012, 2007, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

2012, 2007, 1996, 1976, 1950, 1945, 1939, 1922

2012, 2007, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

2012, 2007, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922

2012, 2007, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

Appendix E  
Database Search Results

**102-16 Liberty Ave, Queens, NY Block 9523 Lot 5**

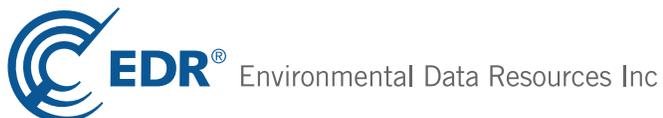
102-16 Liberty Ave

Ozone Park, NY, NY 11417

Inquiry Number: 3497283.1s

January 17, 2013

## The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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Orphan Summary .....	308
Government Records Searched/Data Currency Tracking .....	GR-1
<b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
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***Thank you for your business.***  
 Please contact EDR at 1-800-352-0050  
 with any questions or comments.

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

102-16 LIBERTY AVE  
OZONE PARK, NY, NY 11417

#### COORDINATES

Latitude (North): 40.6815000 - 40° 40' 53.40"  
Longitude (West): 73.8385000 - 73° 50' 18.60"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 598156.3  
UTM Y (Meters): 4503839.0  
Elevation: 35 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40073-F7 JAMAICA, NY  
Most Recent Revision: 1994

### AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2009  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal NPL site list*

NPL..... National Priority List

## EXECUTIVE SUMMARY

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 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  
LUCIS..... Land Use Control Information System

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***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 Facility 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

## EXECUTIVE SUMMARY

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

### ***State and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup Agreements  
INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***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***

ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
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  
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

## EXECUTIVE SUMMARY

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
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
HSWDS.....	Hazardous Substance Waste Disposal Site Inventory
UIC.....	Underground Injection Control Wells
NPDES.....	State Pollutant Discharge Elimination System
AIRS.....	Air Emissions Data
E DESIGNATION.....	E DESIGNATION SITE LISTING
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
PRP.....	Potentially Responsible Parties
COAL ASH.....	Coal Ash Disposal Site Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
2020 COR ACTION.....	2020 Corrective Action Program List
Financial Assurance.....	Financial Assurance Information Listing
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
PCB TRANSFORMER.....	PCB Transformer Registration Database

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

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

### 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.

# EXECUTIVE SUMMARY

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP: 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.

A review of the CERC-NFRAP list, as provided by EDR, and dated 11/02/2012 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AIRCRAFT TURBINE SERVICE	129-15 92ND ST	SW 1/4 - 1/2 (0.479 mi.)	107	307

### ***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 09/11/2012 has revealed that there are 3 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON <i>NYC BD OF ED - JOHN ADAMS HS Q</i>	LIBERTY AVE & 99TH ST <i>101-01 ROCKAWAY BLVD</i>	WSW 0 - 1/8 (0.107 mi.) <i>S 0 - 1/8 (0.118 mi.)</i>	F23 <i>H40</i>	48 <i>79</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CROSS BAY CLEANERS</i>	<i>96-05 LIBERTY AVE</i>	<i>WSW 1/8 - 1/4 (0.250 mi.)</i>	<i>W94</i>	<i>264</i>

### ***State- and tribal - equivalent CERCLIS***

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

A review of the SHWS list, as provided by EDR, and dated 11/19/2012 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>OZONE INDUSTRIES</b> Class Code: Significant threat to the public health or environment - action required.	<b>100TH ST. BETWEEN 101ST</b>	<b>NW 1/8 - 1/4 (0.245 mi.)</b>	<b>91</b>	<b>260</b>

VAPOR REOPENED: "Vapor intrusion" refers to the process by which volatile chemicals move from a subsurface source into the indoor air of overlying or adjacent buildings. The subsurface source can either be contaminated groundwater or contaminated soil which releases vapors into the pore spaces in the soil. Improvements in analytical techniques and knowledge gained from site investigations in New York and other states has led to an increased awareness of soil vapor as a medium of concern and of the potential for exposures from the soil vapor intrusion pathway. Based on this additional information, 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.

A review of the VAPOR REOPENED list, as provided by EDR, and dated 05/01/2012 has revealed that there is 1 VAPOR REOPENED site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>OZONE INDUSTRIES</b>	<b>100TH ST. BETWEEN 101ST</b>	<b>NW 1/8 - 1/4 (0.245 mi.)</b>	<b>91</b>	<b>260</b>

### ***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 11/19/2012 has revealed that there are 13 LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>103-10 103RD ST</b> Date Closed: 2/28/2003	<b>103-10 103RD ST</b>	<b>N 1/8 - 1/4 (0.173 mi.)</b>	<b>Q64</b>	<b>149</b>
<b>103RD ST &amp; 103RD AVE/QUNS</b> Date Closed: 12/8/1992	<b>103RD ST &amp; 103RD AVE</b>	<b>N 1/8 - 1/4 (0.173 mi.)</b>	<b>Q65</b>	<b>151</b>
CONSTRUCTION SITE Date Closed: 6/7/2005	101-09 103RD AVE	NW 1/8 - 1/4 (0.177 mi.)	N70	181
PRIVATE REIDENCE Date Closed: 6/1/2004	107-70 107TH ST	ESE 1/4 - 1/2 (0.278 mi.)	95	270
<b>103-16 107TH ST</b> Date Closed: 9/12/1995	<b>103-16 107TH ST</b>	<b>NE 1/4 - 1/2 (0.294 mi.)</b>	<b>96</b>	<b>272</b>
<b>THE MERRY GATES OF HEAVEN</b> Date Closed: 3/17/1993	<b>103-12 101ST AVENUE</b>	<b>NNW 1/4 - 1/2 (0.317 mi.)</b>	<b>Z103</b>	<b>295</b>
<b>97-10 103TH ST</b> Date Closed: 5/24/1993	<b>97-10 103TH ST</b>	<b>NNW 1/4 - 1/2 (0.414 mi.)</b>	<b>106</b>	<b>304</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>NYC PD PRECINCT 106</b>	<b>103-53 101ST ST</b>	<b>NW 0 - 1/8 (0.100 mi.)</b>	<b>E19</b>	<b>40</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMOCO GAS STATION Date Closed: 6/30/2003	97-09 ROCKAWAY BLVD	WSW 1/8 - 1/4 (0.173 mi.)	R66	154
<b>AMMOCO STATION</b> Date Closed: 11/6/1998	<b>9702 ROCKAWAY BLVD</b>	<b>WSW 1/8 - 1/4 (0.195 mi.)</b>	<b>R77</b>	<b>224</b>
<b>CLOSED-LACKOF RECENT INFO</b> Date Closed: 3/4/2003	<b>98-21 ROCKAWAY BLVD</b>	<b>WSW 1/8 - 1/4 (0.223 mi.)</b>	<b>82</b>	<b>242</b>
<b>EXXON STA</b> Date Closed: 8/11/1993 Date Closed: 3/30/1994 <i>*Additional key fields are available in the Map Findings section</i>	<b>COR ROCKAWAY BLVD/CENTSE 1/4 - 1/2 (0.306 mi.)</b>		<b>Y100</b>	<b>281</b>
<b>111-24 106TH ST/QUEENS</b> Date Closed: 5/25/1995	<b>111-24 106TH STREET</b>	<b>SE 1/4 - 1/2 (0.385 mi.)</b>	<b>105</b>	<b>302</b>

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 16 HIST LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>103-10 103RD ST</b> Date Closed: / /	<b>103-10 103RD ST</b>	<b>N 1/8 - 1/4 (0.173 mi.)</b>	<b>Q64</b>	<b>149</b>
<b>103RD ST &amp; 103RD AVE/QUNS</b> Date Closed: 12/08/92	<b>103RD ST &amp; 103RD AVE</b>	<b>N 1/8 - 1/4 (0.173 mi.)</b>	<b>Q65</b>	<b>151</b>
<b>103-16 107TH ST</b> Date Closed: 09/12/95	<b>103-16 107TH ST</b>	<b>NE 1/4 - 1/2 (0.294 mi.)</b>	<b>96</b>	<b>272</b>
103-12 101ST AVE./ST. MAR Date Closed: 03/17/93	103-12 101ST. AVE.	NNW 1/4 - 1/2 (0.317 mi.)	Z102	294
<b>THE MERRY GATES OF HEAVEN</b> Date Closed: 03/17/93	<b>103-12 101ST AVENUE</b>	<b>NNW 1/4 - 1/2 (0.317 mi.)</b>	<b>Z103</b>	<b>295</b>
<b>AMERICAN BEDDING COMPANY</b> Date Closed: / /	<b>109-03 LIBERTY AV</b>	<b>ENE 1/4 - 1/2 (0.357 mi.)</b>	<b>104</b>	<b>299</b>
<b>97-10 103TH ST</b> Date Closed: 05/24/93	<b>97-10 103TH ST</b>	<b>NNW 1/4 - 1/2 (0.414 mi.)</b>	<b>106</b>	<b>304</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NYC POLICE PRECT. 106 Date Closed: / /	103-53 101ST ST	NW 0 - 1/8 (0.100 mi.)	E18	39
<b>NYC PD PRECINCT 106</b> Date Closed: / /	<b>103-53 101ST ST</b>	<b>NW 0 - 1/8 (0.100 mi.)</b>	<b>E19</b>	<b>40</b>
<b>AMMOCO STATION</b> Date Closed: 11/06/98	<b>9702 ROCKAWAY BLVD</b>	<b>WSW 1/8 - 1/4 (0.195 mi.)</b>	<b>R77</b>	<b>224</b>
<b>CLOSED-LACKOF RECENT INFO</b> Date Closed: / /	<b>98-21 ROCKAWAY BLVD</b>	<b>WSW 1/8 - 1/4 (0.223 mi.)</b>	<b>82</b>	<b>242</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>EXXON SERVICE STATION</b> Date Closed: 03/30/94	<b>105-02 ROCKAWAY BLVD</b>	<b>SE 1/4 - 1/2 (0.306 mi.)</b>	<b>Y97</b>	<b>274</b>
105-02 ROCKAWAY BLVD Date Closed: / /	105002 ROCKAWAY BLVD	SE 1/4 - 1/2 (0.306 mi.)	Y98	277
105-02 ROCKAWAY BLVD. Date Closed: 08/11/93 Date Closed: 03/30/94	105-02 ROCKAWAY BLVD.	SE 1/4 - 1/2 (0.306 mi.)	Y99	278
EXXON STATION Date Closed: 06/18/97	105 ROCKAWAY TRNPK	SE 1/4 - 1/2 (0.306 mi.)	Y101	292
<b>111-24 106TH ST/QUEENS</b> Date Closed: 05/25/95	<b>111-24 106TH STREET</b>	<b>SE 1/4 - 1/2 (0.385 mi.)</b>	<b>105</b>	<b>302</b>

### **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 01/02/2013 has revealed that there are 10 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROCKAWAY SERVICE STATION INC.	100-07 ROCKAWAY BOULEVA	S 0 - 1/8 (0.116 mi.)	H32	63
100-02 ROCKAWAY BLVD CORP	100-02 ROCKAWAY BLVD	S 0 - 1/8 (0.116 mi.)	H34	68
103-02 ROCKAWAY BLVD	103-02 ROCKAWAY BOULEVA	SE 1/8 - 1/4 (0.164 mi.)	O60	143
SAFEGUARD SELF STORAGE	101-09 103RD AVENUE	NW 1/8 - 1/4 (0.177 mi.)	N69	179
<b>THE VOGES MFG. COMPANY INC.</b>	<b>103-11 98TH STREET</b>	<b>WNW 1/8 - 1/4 (0.218 mi.)</b>	<b>U80</b>	<b>234</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
106TH PCT	103-55 101ST STREET	NW 0 - 1/8 (0.097 mi.)	E16	29
GETTY S/S #16	98-21 ROCKAWAY BOULEVAR	SW 1/8 - 1/4 (0.151 mi.)	M52	107
<b>ROCK 98 AUTO REPAIR SERV INC</b>	<b>98-08 ROCKAWAY BLVD</b>	<b>SW 1/8 - 1/4 (0.155 mi.)</b>	<b>M55</b>	<b>126</b>
<b>NOR-ROCK SERVICE CENTER, INC.</b>	<b>97-09 ROCKAWAY BOULEVAR</b>	<b>WSW 1/8 - 1/4 (0.173 mi.)</b>	<b>R67</b>	<b>155</b>
<b>QUEENS FARMS DAIRY INC</b>	<b>103-45 98TH ST</b>	<b>WNW 1/8 - 1/4 (0.184 mi.)</b>	<b>T73</b>	<b>186</b>

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 01/02/2013 has revealed that there are 16 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MICHAEL SLATTERY</b>	<b>104-35 102ND STREET</b>	<b>S 0 - 1/8 (0.014 mi.)</b>	<b>A1</b>	<b>8</b>
<b>104-50 102 STREET</b>	<b>104-50 102 STREET</b>	<b>S 0 - 1/8 (0.024 mi.)</b>	<b>A2</b>	<b>11</b>
J & SONS AUTO REPAIR INC.	103-55 99TH STREET	W 0 - 1/8 (0.112 mi.)	G28	54
ROCKAWAY SERVICE STATION INC.	100-07 ROCKAWAY BOULEVA	S 0 - 1/8 (0.116 mi.)	H31	61
100-02 ROCKAWAY BLVD CORP	100-02 ROCKAWAY BLVD	S 0 - 1/8 (0.116 mi.)	H35	70
<b>JOHN ADAMS H S</b>	<b>101-01 ROCKAWAY BLVD</b>	<b>S 0 - 1/8 (0.118 mi.)</b>	<b>H39</b>	<b>74</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CAR HAVEN 99 CORP	103-24 99ST	WNW 1/8 - 1/4 (0.169 mi.)	P63	147
<b>ENGINE 285 / LADDER 142</b>	<b>103-17 98TH STREET</b>	<b>WNW 1/8 - 1/4 (0.211 mi.)</b>	<b>U78</b>	<b>228</b>
PUBLIC SCHOOL 137-QUEENS	109-01 98TH ST	SSW 1/8 - 1/4 (0.228 mi.)	X85	248

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMIGO COLLISION & MECHANIC COR	100-10 LIBERTY AVE	WSW 0 - 1/8 (0.081 mi.)	C8	21
<b>106 PCT</b>	<b>103-55 101ST ST</b>	<b>NW 0 - 1/8 (0.097 mi.)</b>	<b>E17</b>	<b>32</b>
<b>GETTY S/S #16</b>	<b>98-21 ROCKAWAY BOULEVARD</b>	<b>SW 1/8 - 1/4 (0.151 mi.)</b>	<b>M51</b>	<b>94</b>
<b>NOR-ROCK SERVICE CENTER, INC.</b>	<b>97-09 ROCKAWAY BOULEVARD</b>	<b>WSW 1/8 - 1/4 (0.173 mi.)</b>	<b>R67</b>	<b>155</b>
<b>103-55 97TH STREET</b>	<b>103-55 97TH STREET</b>	<b>W 1/8 - 1/4 (0.221 mi.)</b>	<b>V81</b>	<b>238</b>
<b>103-45 97 STREET</b>	<b>103-45 97 STREET</b>	<b>W 1/8 - 1/4 (0.227 mi.)</b>	<b>V84</b>	<b>244</b>
<b>103-35 97 STREET</b>	<b>103-35 97 STREET</b>	<b>W 1/8 - 1/4 (0.234 mi.)</b>	<b>87</b>	<b>251</b>

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DECORATIVE SHOWCASE CO	100-02 ROCKAWAY BLVD	S 0 - 1/8 (0.116 mi.)	H33	67
<b>THE VOGES MFG. COMPANY INC.</b>	<b>103-11 98TH STREET</b>	<b>WNW 1/8 - 1/4 (0.218 mi.)</b>	<b>U80</b>	<b>234</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>106 PCT</b>	<b>103-55 101ST ST</b>	<b>NW 0 - 1/8 (0.097 mi.)</b>	<b>E17</b>	<b>32</b>
<b>GETTY S/S #16</b>	<b>98-21 ROCKAWAY BOULEVARD</b>	<b>SW 1/8 - 1/4 (0.151 mi.)</b>	<b>M51</b>	<b>94</b>
<b>ROCK 98 AUTO REPAIR SERV INC</b>	<b>98-08 ROCKAWAY BLVD</b>	<b>SW 1/8 - 1/4 (0.155 mi.)</b>	<b>M55</b>	<b>126</b>
<b>NOR-ROCK SERVICE CENTER, INC.</b>	<b>97-09 ROCKAWAY BOULEVARD</b>	<b>WSW 1/8 - 1/4 (0.173 mi.)</b>	<b>R67</b>	<b>155</b>
<b>QUEENS FARMS DAIRY INC</b>	<b>103-45 98TH ST</b>	<b>WNW 1/8 - 1/4 (0.184 mi.)</b>	<b>T73</b>	<b>186</b>

#### **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 11/19/2012 has revealed that there are 6 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GEWAT HOME	103-04 LIBERTY AVE	ENE 0 - 1/8 (0.041 mi.)	3	14
Date Closed: 2/8/2007				

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Date Closed: 8/26/2004	LIBERTY AVE & 104TH ST	ENE 0 - 1/8 (0.087 mi.)	D11	25
<b>MANHOLE #13924</b> Date Closed: 10/23/2002	<b>99TH ST AND LIBERTY AVE</b>	<b>WSW 0 - 1/8 (0.108 mi.)</b>	<b>F24</b>	<b>49</b>
<b>107-62 101TH STREET</b> Date Closed: 1/15/1994	<b>107-62 101TH STREET</b>	<b>S 0 - 1/8 (0.123 mi.)</b>	<b>J42</b>	<b>85</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>DOLDER DONALD - VACANT BUILDIN</b> Date Closed: 3/26/1997	<b>104-11 101ST ST</b>	<b>WSW 0 - 1/8 (0.056 mi.)</b>	<b>B6</b>	<b>17</b>
<b>NYC PD PRECINCT 106</b> Date Closed: 1/31/2006 Date Closed: 6/12/2008	<b>103-53 101ST ST</b>	<b>NW 0 - 1/8 (0.100 mi.)</b>	<b>E19</b>	<b>40</b>

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 are 3 NY Hist Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MANHOLE #13924</b>	<b>99TH ST AND LIBERTY AVE</b>	<b>WSW 0 - 1/8 (0.108 mi.)</b>	<b>F24</b>	<b>49</b>
<b>107-62 101TH STREET</b>	<b>107-62 101TH STREET</b>	<b>S 0 - 1/8 (0.123 mi.)</b>	<b>J42</b>	<b>85</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
104-11 101ST STREET	104-11 101ST STREET	WSW 0 - 1/8 (0.056 mi.)	B7	20

### **Other Ascertainable Records**

RCRA NonGen / NLR: 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 / NLR list, as provided by EDR, and dated 09/11/2012 has revealed that there are 9 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ROMA CLEANERS CORP</b>	<b>104-07 LIBERTY AVE</b>	<b>ENE 0 - 1/8 (0.090 mi.)</b>	<b>D14</b>	<b>27</b>
<b>REMEDY REMOVAL INC</b>	<b>103-21 104TH ST</b>	<b>NNE 1/8 - 1/4 (0.162 mi.)</b>	<b>59</b>	<b>141</b>
<b>VOGUES MFG CO INC</b>	<b>103-11 98TH ST</b>	<b>WNW 1/8 - 1/4 (0.218 mi.)</b>	<b>U79</b>	<b>232</b>
<b>U S COLLISION INC</b>	<b>109-14 98TH ST</b>	<b>SSW 1/8 - 1/4 (0.241 mi.)</b>	<b>X89</b>	<b>254</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DOLDER DONALD - VACANT BUILDIN</i>	<i>104-11 101ST ST</i>	<i>WSW 0 - 1/8 (0.056 mi.)</i>	<i>B6</i>	<i>17</i>
<i>MAIN LINE AUTO COLLISION INC</i>	<i>103-32 101ST ST</i>	<i>NW 1/8 - 1/4 (0.128 mi.)</i>	<i>K44</i>	<i>89</i>
<i>GETTY PETROLEUM CORP</i>	<i>98-21 ROCKAWAY BLVD</i>	<i>SW 1/8 - 1/4 (0.151 mi.)</i>	<i>M50</i>	<i>92</i>
<i>BENNETT SCHOLEY RICE</i>	<i>98-08 ROCKAWAY BLVD</i>	<i>SW 1/8 - 1/4 (0.155 mi.)</i>	<i>M54</i>	<i>124</i>
<i>QUEENS FARMS DAIRY</i>	<i>103-45 98TH ST</i>	<i>WNW 1/8 - 1/4 (0.184 mi.)</i>	<i>T72</i>	<i>183</i>

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 11/01/2012 has revealed that there are 7 MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>NYC BD OF ED - JOHN ADAMS HS Q</i>	<i>101-01 ROCKAWAY BLVD</i>	<i>S 0 - 1/8 (0.118 mi.)</i>	<i>H40</i>	<i>79</i>
<i>U S COLLISION INC</i>	<i>109-14 98TH ST</i>	<i>SSW 1/8 - 1/4 (0.241 mi.)</i>	<i>X89</i>	<i>254</i>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DOLDER DONALD - VACANT BUILDIN</i>	<i>104-11 101ST ST</i>	<i>WSW 0 - 1/8 (0.056 mi.)</i>	<i>B6</i>	<i>17</i>
<i>GETTY S/S #16 - GETTY PROPERTI</i>	<i>98-21 ROCKAWAY BLVD</i>	<i>SW 1/8 - 1/4 (0.151 mi.)</i>	<i>M53</i>	<i>118</i>
<i>BENNETT SCHOLEY RICE</i>	<i>98-08 ROCKAWAY BLVD</i>	<i>SW 1/8 - 1/4 (0.155 mi.)</i>	<i>M54</i>	<i>124</i>
<i>QUEENS FARMS DAIRY</i>	<i>103-45 98TH ST</i>	<i>WNW 1/8 - 1/4 (0.184 mi.)</i>	<i>T72</i>	<i>183</i>
<i>CROSS BAY CLEANERS</i>	<i>96-05 LIBERTY AVENUE</i>	<i>WSW 1/8 - 1/4 (0.250 mi.)</i>	<i>W93</i>	<i>264</i>

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 06/20/2012 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CROSS BAY CLEANERS</i>	<i>96-05 LIBERTY AVENUE</i>	<i>WSW 1/8 - 1/4 (0.250 mi.)</i>	<i>W93</i>	<i>264</i>

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 29 EDR US

## EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	10419 99TH ST	WSW 0 - 1/8 (0.106 mi.)	F20	47
Not reported	10371 99TH ST	WSW 0 - 1/8 (0.106 mi.)	C21	47
Not reported	10363 99TH ST	WSW 0 - 1/8 (0.107 mi.)	F22	47
Not reported	10357 99TH ST	W 0 - 1/8 (0.110 mi.)	G26	52
Not reported	10355 99TH ST	W 0 - 1/8 (0.112 mi.)	G27	53
Not reported	10007 ROCKAWAY BLVD	S 0 - 1/8 (0.113 mi.)	H29	59
Not reported	10115 ROCKAWAY BLVD	S 0 - 1/8 (0.117 mi.)	J36	72
Not reported	10342 100TH ST	WNW 1/8 - 1/4 (0.134 mi.)	I46	91
Not reported	10508 LIBERTY AVE	ENE 1/8 - 1/4 (0.144 mi.)	47	91
Not reported	10312 101ST ST	NW 1/8 - 1/4 (0.156 mi.)	N57	141
Not reported	10302 ROCKAWAY BLVD	SE 1/8 - 1/4 (0.161 mi.)	O58	141
Not reported	10315 100TH ST	NW 1/8 - 1/4 (0.167 mi.)	P61	145
Not reported	10324 99TH ST	WNW 1/8 - 1/4 (0.168 mi.)	62	146
Not reported	10417 106TH ST	ENE 1/8 - 1/4 (0.188 mi.)	S75	224
Not reported	10914 98TH ST	SSW 1/8 - 1/4 (0.241 mi.)	X90	260

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	10014 LIBERTY AVE	WSW 0 - 1/8 (0.083 mi.)	C9	23
Not reported	10011 LIBERTY AVE	WSW 0 - 1/8 (0.085 mi.)	C10	24
Not reported	10419 100TH ST	WSW 0 - 1/8 (0.087 mi.)	C12	26
Not reported	10423 100TH ST	WSW 0 - 1/8 (0.087 mi.)	C13	26
Not reported	10359 99TH ST	W 0 - 1/8 (0.109 mi.)	G25	52
Not reported	10359 100TH ST	WNW 0 - 1/8 (0.115 mi.)	I30	60
Not reported	10357 100TH ST	WNW 0 - 1/8 (0.117 mi.)	I37	73
Not reported	10354 100TH ST	WNW 0 - 1/8 (0.121 mi.)	I41	85
Not reported	10332 101ST ST	NW 1/8 - 1/4 (0.128 mi.)	K43	88
Not reported	10343 100TH ST	WNW 1/8 - 1/4 (0.133 mi.)	I45	90
Not reported	9821 ROCKAWAY BLVD	SW 1/8 - 1/4 (0.150 mi.)	M49	92
Not reported	9741 ROCKAWAY BLVD	WSW 1/8 - 1/4 (0.177 mi.)	R71	183
Not reported	9709 ROCKAWAY BLVD	WSW 1/8 - 1/4 (0.188 mi.)	R74	223
Not reported	9610 LIBERTY AVE	WSW 1/8 - 1/4 (0.226 mi.)	W83	244

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 11 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	10416 LIBERTY AVE	ENE 0 - 1/8 (0.096 mi.)	D15	28
Not reported	10121 ROCKAWAY BLVD	S 0 - 1/8 (0.117 mi.)	J38	73
Not reported	10354 105TH ST	NE 1/8 - 1/4 (0.149 mi.)	L48	92
Not reported	10341 105TH ST	NE 1/8 - 1/4 (0.155 mi.)	L56	140
Not reported	10519 LIBERTY AVE	ENE 1/8 - 1/4 (0.175 mi.)	S68	178
Not reported	10602 LIBERTY AVE	ENE 1/8 - 1/4 (0.193 mi.)	S76	224
Not reported	10757 106TH ST	ESE 1/8 - 1/4 (0.234 mi.)	86	250

## EXECUTIVE SUMMARY

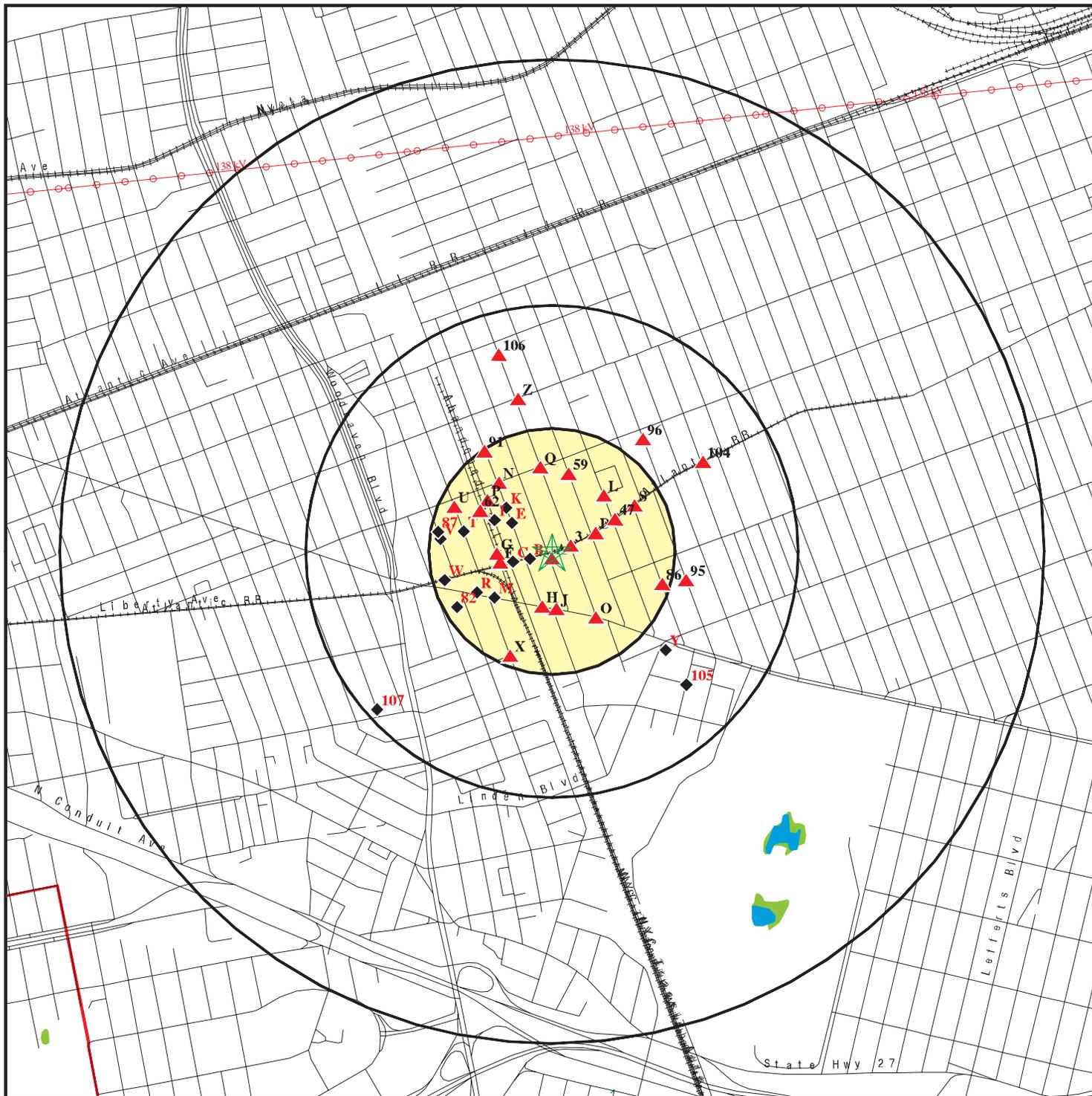
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	10118 LIBERTY AVE	WSW 0 - 1/8 (0.047 mi.)	B4	16
Not reported	10104 LIBERTY AVE	WSW 0 - 1/8 (0.053 mi.)	B5	16
Not reported	9619 LIBERTY AVE	WSW 1/8 - 1/4 (0.240 mi.)	W88	254
Not reported	9605 LIBERTY AVE	WSW 1/8 - 1/4 (0.248 mi.)	W92	263

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
CONSOLIDATED EDISON NYCTA	RCRA-NLR,MANIFEST MANIFEST
CONSOLIDATED EDISON AMOCO OIL SERVICE STATION	RCRA-NLR,MANIFEST MANIFEST
CONSOLIDATED EDISON CO #3000	MANIFEST
MTA NYCT - ROCKAWAY LINE VIADUCTS	RCRA-SQG
CON EDISON - MANHOLE 11438	RCRA-LQG
CON EDISON - MANHOLE 13802	RCRA-LQG
CON EDISON - MANHOLE 11160	RCRA-LQG
NYC DEP	RCRA-NLR
NYC DEP	RCRA-NLR
NYSDOT RECONST FOCH BLVD & 109TH A	FINDS,RCRA-NLR
NYC DEP	RCRA-NLR
MTA NYCT - AQUEDUCT AVENUE STATION	FINDS,RCRA-NLR
CON EDISON	RCRA-CESQG
AQUEDUCT RACETRACK	RCRA-CESQG
BELL ATLANTIC-NY	FINDS
EFFICIENT AUTO COLLISION-129-15 10	FINDS
TRINCHESE PROP - B 14189 LOT 49	FINDS
NYC DCAS-161 AVE/95TH ST/SHELLBANK	FINDS

# OVERVIEW MAP - 3497283.1s



★ Target Property

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

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

▲ County Boundary

▲ Power transmission lines

▲ Oil & Gas pipelines from USGS

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

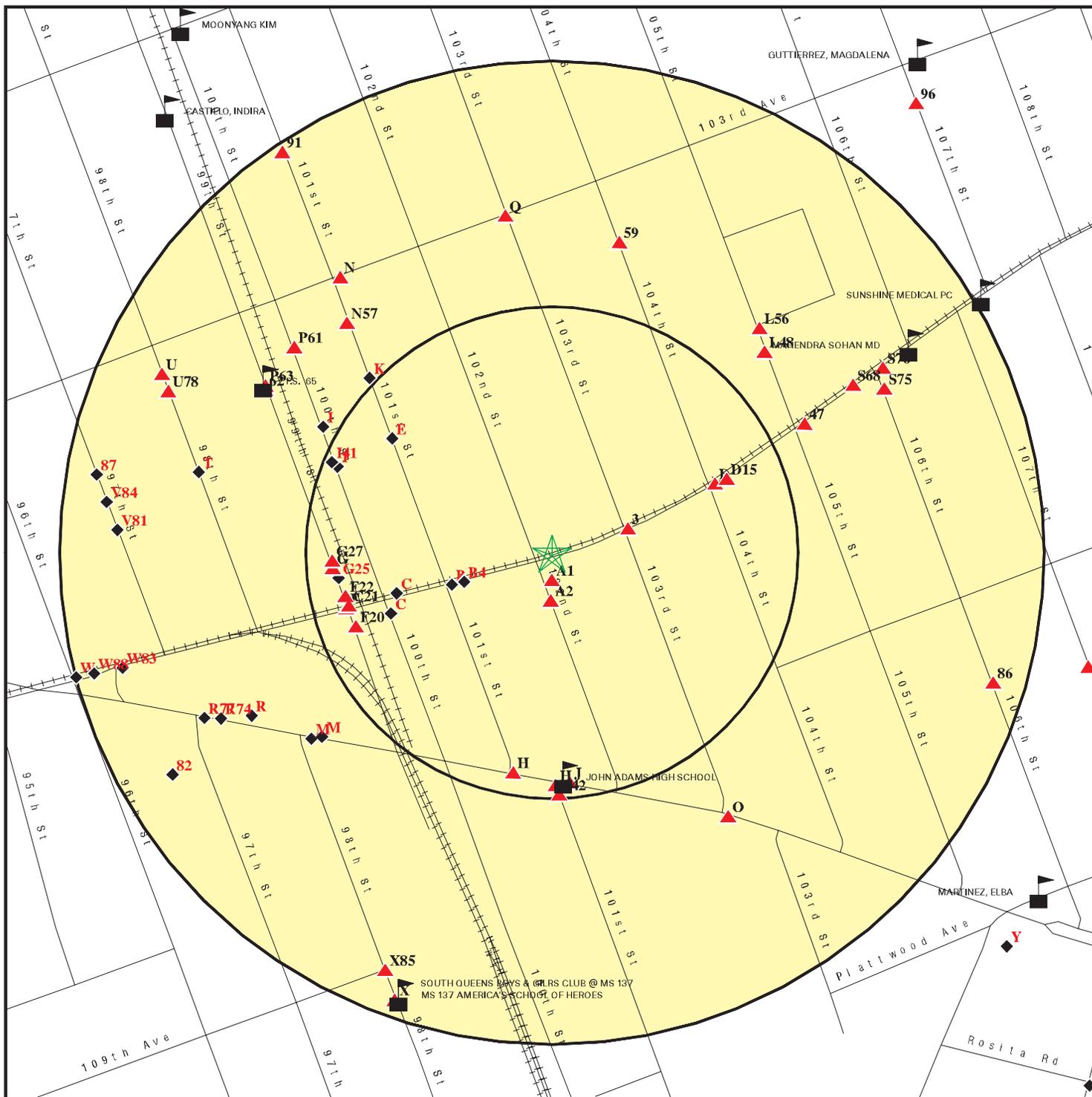
■ State Wetlands

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

SITE NAME: 102-16 Liberty Ave, Queens, NY Block 9523 Lot 5  
 ADDRESS: 102-16 Liberty Ave  
 Ozone Park, NY NY 11417  
 LAT/LONG: 40.6815 / 73.8385

CLIENT: Hydro Tech Env. Corp.  
 CONTACT: Shana Cross  
 INQUIRY #: 3497283.1s  
 DATE: January 17, 2013 11:25 am

# DETAIL MAP - 3497283.1s



- ★ 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

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: 102-16 Liberty Ave, Queens, NY Block 9523 Lot 5  
 ADDRESS: 102-16 Liberty Ave  
 Ozone Park, NY NY 11417  
 LAT/LONG: 40.6815 / 73.8385

CLIENT: Hydro Tech Env. Corp.  
 CONTACT: Shana Cross  
 INQUIRY #: 3497283.1s  
 DATE: January 17, 2013 11:26 am

## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
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
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	1	NR	NR	1
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		2	1	NR	NR	NR	3
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	1.000		0	1	0	0	NR	1
VAPOR REOPENED	1.000		0	1	0	0	NR	1
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LTANKS	0.500		1	6	6	NR	NR	13
HIST LTANKS	0.500		2	4	10	NR	NR	16
INDIAN LUST	0.500		0	0	0	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
<b><i>State and tribal registered storage tank lists</i></b>								
TANKS	0.250		0	0	NR	NR	NR	0
UST	0.250		3	7	NR	NR	NR	10
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
AST	0.250		8	8	NR	NR	NR	16
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
<b><i>State and tribal institutional control / engineering control registries</i></b>								
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
<b><i>State and tribal voluntary cleanup sites</i></b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
ERP	0.500		0	0	0	NR	NR	0
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	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
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
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
<b><i>Local Lists of Registered Storage Tanks</i></b>								
HIST UST	0.250		2	5	NR	NR	NR	7
HIST AST	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
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		6	NR	NR	NR	NR	6
NY Hist Spills	0.125		3	NR	NR	NR	NR	3
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		2	7	NR	NR	NR	9
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		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	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		2	5	NR	NR	NR	7
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
E DESIGNATION	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
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## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
EDR US Hist Auto Stat	0.250		15	14	NR	NR	NR	29
EDR US Hist Cleaners	0.250		4	7	NR	NR	NR	11

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**A1**  
**South**  
**< 1/8**  
**0.014 mi.**  
**73 ft.**  
**MICHAEL SLATTERY**  
**104-35 102ND STREET**  
**OZONE PARK, NY 11417**  
**Site 1 of 2 in cluster A**

**AST** **U003391199**  
**HIST AST** **N/A**

**Relative:**  
**Higher**

**Actual:**  
**36 ft.**  
AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-335207  
Program Type: PBS  
UTM X: 598155.09149000002  
UTM Y: 4504018.6862000003  
Expiration Date: 2017/10/02

Affiliation Records:  
Site Id: 15975  
Affiliation Type: Owner  
Company Name: ABBEY REALTY LLC  
Contact Type: OWNER  
Contact Name: MICHAEL SLATTERY  
Address1: 1132 ADMONT AVENUE  
Address2: Not reported  
City: FRANKLIN SQUARE  
State: NY  
Zip Code: 11010  
Country Code: 001  
Phone: (516) 326-9581  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 10/25/2012

Site Id: 15975  
Affiliation Type: Mail Contact  
Company Name: MICHAEL SLATTERY  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 1132 ADMONT AVENUE  
Address2: Not reported  
City: FRANKLIN SQUARE  
State: NY  
Zip Code: 11010  
Country Code: 001  
Phone: (516) 326-9581  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 15975  
Affiliation Type: On-Site Operator  
Company Name: ABBEY REALTY LLC  
Contact Type: Not reported  
Contact Name: MIKE DAUTAJ  
Address1: Not reported  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHAEL SLATTERY (Continued)**

**U003391199**

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 992-0948  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/3/2012

Site Id: 15975  
Affiliation Type: Emergency Contact  
Company Name: ABBEY REALTY LLC  
Contact Type: Not reported  
Contact Name: MICHAEL SLATTERY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 326-9581  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 9/19/2007

Tank Info:

Tank Number: 001  
Tank Id: 20946

Equipment Records:

B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
H99 - Tank Leak Detection - Other  
I05 - Overfill - Vent Whistle  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None

Tank Location: 3  
Tank Type: Stainless Steel Alloy  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 08/09/1928  
Capacity Gallons: 5500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: dxliving

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHAEL SLATTERY (Continued)**

**U003391199**

Last Modified: 09/19/2007

HIST AST:

PBS Number: 2-335207  
SWIS Code: 6301  
Operator: RAUL ROSA  
Facility Phone: (718) 323-7333  
Facility Addr2: 104035 102ND STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MICHAEL SLATTERY  
Emergency Tel: (516) 326-9581  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: MICHAEL SLATTERY  
Owner Address: 1132 ADMONT AVENUE  
Owner City,St,Zip: FRANKLIN SQUARE, NY 11010  
Federal ID: Not reported  
Owner Tel: (516) 326-9581  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: MICHAEL SLATTERY  
Mailing Address: 1132 ADMONT AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: FRANKLIN SQUARE, NY 11010  
Mailing Telephone: (516) 326-9581  
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.  
  
Certification Flag: False  
Certification Date: 11/24/1997  
Expiration: 10/02/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5500  
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: 63  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Stainless steel alloy  
Tank Internal: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHAEL SLATTERY (Continued)**

**U003391199**

Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 6  
Overfill Protection: 6  
Dispenser Method: 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: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**A2** 104-50 102 STREET  
**South** 104-50 102 STREET  
**< 1/8** OZONE PARK, NY 11417  
**0.024 mi.**  
**128 ft.** Site 2 of 2 in cluster A

**AST** U003390696  
**HIST AST** N/A

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-321613  
Program Type: PBS  
UTM X: 598149.68911000004  
UTM Y: 4503998.9631700004  
Expiration Date: 2017/12/14

**Actual:**  
**37 ft.**

Affiliation Records:  
Site Id: 14954  
Affiliation Type: Owner  
Company Name: MICHAEL FALCO  
Contact Type: AGENT  
Contact Name: MICHAEL FALCO  
Address1: 8 OAK LANE  
Address2: Not reported  
City: DOUGLASTON  
State: NY  
Zip Code: 11463  
Country Code: 001  
Phone: (718) 428-6244  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 11/30/2007

Site Id: 14954  
Affiliation Type: Mail Contact  
Company Name: MICHAEL FALCO  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**104-50 102 STREET (Continued)**

**U003390696**

Contact Name: Not reported  
Address1: 8 OAK LANE  
Address2: Not reported  
City: DOUGLASTON  
State: NY  
Zip Code: 11363  
Country Code: 001  
Phone: (718) 835-1400  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 14954  
Affiliation Type: On-Site Operator  
Company Name: 104-50 102 STREET  
Contact Type: Not reported  
Contact Name: WALTER AZABACHE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 845-0460  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 14954  
Affiliation Type: Emergency Contact  
Company Name: MICHAEL FALCO  
Contact Type: Not reported  
Contact Name: MICHAEL FALCO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 835-1400  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 19832

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

104-50 102 STREET (Continued)

U003390696

A99 - Tank Internal Protection - Other  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
B99 - Tank External Protection - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping  
K00 - Spill Prevention - None  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1979  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 12/31/2012

HIST AST:

PBS Number: 2-321613  
SWIS Code: 6301  
Operator: KIEREN MULLIN  
Facility Phone: (718) 835-1517  
Facility Addr2: 104050 102 STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MICHAEL FALCO  
Emergency Tel: (718) 428-6244  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: MICHAEL FALCO  
Owner Address: 8 OAK LANE  
Owner City,St,Zip: DOUGLASTON, NY 11463  
Federal ID: Not reported  
Owner Tel: (718) 428-6244  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: MICHAEL FALCO  
Mailing Address: 8 OAK LANE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: DOUGLASTON, NY 11363  
Mailing Telephone: (718) 428-6244  
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.  
Certification Flag: False  
Certification Date: 12/11/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

104-50 102 STREET (Continued)

U003390696

Expiration: 12/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
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: 63  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 9  
Tank External: 9  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Gravity  
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  
SPDES Number: Not reported  
Lat/Long: Not reported

3  
ENE  
< 1/8  
0.041 mi.  
214 ft.

GEWAT HOME  
103-04 LIBERTY AVE  
OZONE PARK, NY

NY Spills S108465883  
N/A

Relative:  
Higher

SPILLS:

Actual:  
37 ft.

Facility ID: 0612280  
DER Facility ID: 326663  
Facility Type: ER  
Site ID: 377096  
DEC Region: 2  
Spill Number: 0612280  
Spill Date: 2/8/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GEWAT HOME (Continued)**

**S108465883**

Willing Responsible Party. Corrective action taken.

Spill Closed Date: 2/8/2007  
SWIS: 4101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 2/8/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/8/2007  
Spill Record Last Update: 2/8/2007  
Spiller Name: MR ROBERT GEWAT  
Spiller Company: GEWAT HOME  
Spiller Address: 103-04 LIBERTY AVE  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller Company: 001  
Contact Name: MR ROBERT GEWAT  
Contact Phone: (516) 741-2173  
DEC Memo: Sangesland spoke to Mr. Gewat. He said the old suction line was above ground and ran along the corner of the basement floor. Near the basement doorway, it moved up about 10 inches and then across a cement step pushed up against the back of the step and covered with a 1/4 round layer of cement. It was along this step that the line started to leak.

Remarks: LINE MALFUNCTIONED, AND PETRO FUEL IS RUNNING A NEW LINE

Material:  
Site ID: 377096  
Operable Unit ID: 1134651  
Operable Unit: 01  
Material ID: 2124528  
Material Code: 0001A  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GEWAT HOME (Continued)**

**S108465883**

Last Modified: Not reported  
Test Method: Not reported

**B4**  
**WSW**  
**< 1/8**  
**0.047 mi.**  
**247 ft.**

**10118 LIBERTY AVE**  
**OZONE PARK, NY 11417**  
**Site 1 of 4 in cluster B**

**EDR US Hist Cleaners 1014968160**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: LIBERTY SUDS CLEANERS INC  
Year: 2006  
Address: 10118 LIBERTY AVE

**Actual:**  
**34 ft.**

Name: LIBERTY SUDS CLEANERS INC  
Year: 2007  
Address: 10118 LIBERTY AVE

Name: LIBERTY SUDS CLEANERS INC  
Year: 2008  
Address: 10118 LIBERTY AVE

Name: A & S LAUNDROMAT  
Year: 2009  
Address: 10118 LIBERTY AVE

Name: A & S LAUNDROMATS  
Year: 2010  
Address: 10118 LIBERTY AVE

**B5**  
**WSW**  
**< 1/8**  
**0.053 mi.**  
**281 ft.**

**10104 LIBERTY AVE**  
**OZONE PARK, NY 11417**  
**Site 2 of 4 in cluster B**

**EDR US Hist Cleaners 1014968024**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: FIVE STAR LAUNDRY  
Year: 2011  
Address: 10104 LIBERTY AVE

**Actual:**  
**34 ft.**

Name: FIVE STAR LAUNDRY  
Year: 2012  
Address: 10104 LIBERTY AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B6**  
**WSW**  
**< 1/8**  
**0.056 mi.**  
**298 ft.**

**DOLDER DONALD - VACANT BUILDING**  
**104-11 101ST ST**  
**OZONE PARK, NY 11417**

**RCRA NonGen / NLR**  
**FINDS**  
**MANIFEST**  
**NY Spills**

**1001202873**  
**NYR000036541**

**Site 3 of 4 in cluster B**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007

Facility name: DOLDER DONALD - VACANT BUILDING

Facility address: 104-11 101ST ST

OZONE PARK, NY 11417

EPA ID: NYR000036541

Mailing address: RTE 109

FARMINGDALE, NY 11735

Contact: Not reported

Contact address: RTE 109

FARMINGDALE, NY 11735

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

**Actual:**  
**34 ft.**

Owner/Operator Summary:

Owner/operator name: DONALD DOLDER

Owner/operator address: 8 QUENZER ST  
NESCONSET, NY 11767

Owner/operator country: US

Owner/operator telephone: (516) 563-7766

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: DONALD DOLDER

Owner/operator address: 8 QUENZER ST  
NESCONSET, NY 11767

Owner/operator country: US

Owner/operator telephone: (516) 563-7766

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLDER DONALD - VACANT BUILDING (Continued)**

**1001202873**

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: DOLDER DONALD - VACANT BUILDING  
Classification: Not a generator, verified

Date form received by agency: 06/30/1997  
Facility name: DOLDER DONALD - VACANT BUILDING  
Classification: Not a generator, verified

Date form received by agency: 03/13/1997  
Facility name: DOLDER DONALD - VACANT BUILDING  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004532989

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: NYR000036541  
Country: USA  
Mailing Name: DONALD DOLDER-SIDEWALK IN FRONT OF BLDG  
Mailing Contact: MIKE ROSATI  
Mailing Address: 8 QUENZER ST  
Mailing Address 2: Not reported  
Mailing City: NESCONSET  
Mailing State: NY  
Mailing Zip: 11767  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 516-567-7766

Document ID: NYB8431839  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: Not reported  
Trans2 State ID: Not reported  
Generator Ship Date: 970318  
Trans1 Recv Date: 970318  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970318  
Part A Recv Date: Not reported  
Part B Recv Date: 970421

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLDER DONALD - VACANT BUILDING (Continued)**

**1001202873**

Generator EPA ID: NYR000036541  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSDF ID: NYD077444263  
Waste Code: D018 - BENZENE 0.5 MG/L TCLP  
Quantity: 00250  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 97

**SPILLS:**

Facility ID: 9613176  
DER Facility ID: 250212  
Facility Type: ER  
Site ID: 309968  
DEC Region: 2  
Spill Number: 9613176  
Spill Date: 2/6/1997  
Spill Cause: Housekeeping  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Date: 3/26/1997  
SWIS: 4101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 2/6/1997  
CID: 266  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/6/1997  
Spill Record Last Update: 3/26/1997  
Spiller Name: Not reported  
Spiller Company: JANE & DEE DOLDER  
Spiller Address: 8 QUENZER STREET  
Spiller City,St,Zip: NESCONSET, NY 11767-  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: TANK REMOVAL. 3 YARDS CONTAMINATED SOIL.

**Material:**

Site ID: 309968  
Operable Unit ID: 1044685  
Operable Unit: 01  
Material ID: 341820  
Material Code: 0009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLDER DONALD - VACANT BUILDING (Continued)**

**1001202873**

Material Name: Gasoline  
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

**B7**  
**WSW**  
**< 1/8**  
**0.056 mi.**  
**298 ft.**

**104-11 101ST STREET**  
**104-11 101ST STREET**  
**OZONE PARK, NY**  
**Site 4 of 4 in cluster B**

**NY Hist Spills** **S102560263**  
**N/A**

**Relative:**  
**Lower**

NY Hist Spills:  
Region of Spill: 2  
Spill Number: 9613176  
Investigator: SIGONA  
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: 02/06/1997 13:00  
Reported to Dept Date/Time: 02/06/97 14:35  
SWIS: 63  
Spiller Name: JANE & DEE DOLDER  
Spiller Contact: Not reported  
Spiller Phone: (516) 563-7766  
Spiller Address: 8 QUENZER STREET  
Spiller City,St,Zip: NESCONSET, NY 11767-  
Spill Cause: Housekeeping  
Reported to Dept: Groundwater  
Water Affected: Not reported  
Spill Source: 01  
Spill Notifier: Other  
PBS Number: Not reported  
Cleanup Ceased: / /  
Cleanup Meets Std: False  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Dt: / /

**Actual:**  
**34 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

104-11 101ST STREET (Continued)

S102560263

Enforcement Date: / /  
Invstgn Complete: / /  
UST Involvement: False  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 03/26/97  
Corrective Action Plan Submitted: / /  
Date Region Sent Summary to Central Office: / /  
Date Spill Entered In Computer Data File: 02/06/97  
Date Spill Entered In Computer Data File: Not reported  
Update Date: 03/26/97  
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: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: Tyree Environmental Services prepared a comprehensive closure report to document the tank removal work performed at this site. The report dated March 1997 indicates that all residual endpoint samples taken from the soils surrounding two tanks (gasoline fuel oil) were all below DEC soil guidance values for contaminated soils. The results demonstrate that Tyree effectively removed all contaminated soils associated with the tank and piping system closure. Therefore, DEC is closing the spill investigation reported to DEC s Spill Hotline on February 6, 1997. For further information please see the Tyree Report prepared by Leslie Kovalsky Joe Pisel DEC case file by A. Sigona.  
Remark: TANK REMOVAL. 3 YARDS CONTAMINATED SOIL.

C8  
WSW  
< 1/8  
0.081 mi.  
430 ft.

AMIGO COLLISION & MECHANIC CORP.  
100-10 LIBERTY AVE  
OZONE PARK, NY 11417  
Site 1 of 6 in cluster C

AST A100293028  
N/A

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607276  
Program Type: PBS  
UTM X: 598029.48121  
UTM Y: 4504006.5907300003

Actual:  
34 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMIGO COLLISION & MECHANIC CORP. (Continued)**

**A100293028**

Expiration Date: 2007/01/04  
Affiliation Records:  
Site Id: 29129  
Affiliation Type: Owner  
Company Name: AMIGO COLLISION & MECHANIC CORP.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 100-10 LIBERTY AVE  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 848-1886  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29129  
Affiliation Type: Mail Contact  
Company Name: AMIGO COLLISION & MECHANIC CORP.  
Contact Type: Not reported  
Contact Name: AMANCIO MEZARINA  
Address1: 100-10 LIBERTY AVE  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 848-1886  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29129  
Affiliation Type: On-Site Operator  
Company Name: AMIGO COLLISION & MECHANIC CORP.  
Contact Type: Not reported  
Contact Name: AMANCIO MEZARINA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 848-1886  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29129

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMIGO COLLISION & MECHANIC CORP. (Continued)**

**A100293028**

Affiliation Type: Emergency Contact  
Company Name: AMIGO COLLISION & MECHANIC CORP.  
Contact Type: Not reported  
Contact Name: AMANCIO MEZARINA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 848-1886  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 62674

Equipment Records:

H00 - Tank Leak Detection - None  
D00 - Pipe Type - No Piping  
J00 - Dispenser - None  
A00 - Tank Internal Protection - None  
G10 - Tank Secondary Containment - Impervious Underlayment  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 250  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

**C9**  
**WSW**  
**< 1/8**  
**0.083 mi.**  
**440 ft.**

**10014 LIBERTY AVE**  
**OZONE PARK, NY 11417**  
**Site 2 of 6 in cluster C**

**EDR US Hist Auto Stat 1015121343**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Auto Stations:  
Name: GEORGES AUTOBODY  
Year: 1999  
Address: 10014 LIBERTY AVE

**Actual:**  
**34 ft.**

Name: GEORGES AUTOBODY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015121343

Year: 2000  
Address: 10014 LIBERTY AVE  
  
Name: SARCO AUTO ELECTRIC  
Year: 2001  
Address: 10014 LIBERTY AVE  
  
Name: AMIGO COLLISION & MECHANIC CORP  
Year: 2002  
Address: 10014 LIBERTY AVE  
  
Name: AMIGO COLLISION & MECHANIC CORP  
Year: 2003  
Address: 10014 LIBERTY AVE

C10  
WSW  
< 1/8  
0.085 mi.  
447 ft.

10011 LIBERTY AVE  
OZONE PARK, NY 11417

EDR US Hist Auto Stat 1015121311  
N/A

Site 3 of 6 in cluster C

Relative:  
Lower  
  
Actual:  
34 ft.

EDR Historical Auto Stations:

Name: INTERNATIONAL AUTO RECOVERE  
Year: 2004  
Address: 10011 LIBERTY AVE  
  
Name: INTERNATIONAL AUTO RECOVERY  
Year: 2005  
Address: 10011 LIBERTY AVE  
  
Name: INTERNATIONAL AUTO RECOVERY  
Year: 2006  
Address: 10011 LIBERTY AVE  
  
Name: INTERNATIONAL AUTO RECOVERY  
Year: 2007  
Address: 10011 LIBERTY AVE  
  
Name: INTERNATIONAL AUTO RECOVERY  
Year: 2008  
Address: 10011 LIBERTY AVE  
  
Name: INTERNATIONAL AUTO RECOVERY  
Year: 2009  
Address: 10011 LIBERTY AVE  
  
Name: INTERNATIONAL AUTO RECOVERY  
Year: 2010  
Address: 10011 LIBERTY AVE  
  
Name: INTERNATIONAL AUTOMOBILE RECOVERY  
Year: 2011  
Address: 10011 LIBERTY AVE  
  
Name: INTERNATIONAL AUTO RECOVERY  
Year: 2012  
Address: 10011 LIBERTY AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D11  
ENE  
< 1/8  
0.087 mi.  
460 ft.

LIBERTY AVE & 104TH ST  
QUEENS, NY

NY Spills S106698640  
N/A

Site 1 of 3 in cluster D

Relative:  
Higher

SPILLS:

Actual:  
39 ft.

Facility ID: 0405738  
DER Facility ID: 217500  
Facility Type: ER  
Site ID: 267008  
DEC Region: 2  
Spill Number: 0405738  
Spill Date: 8/25/2004  
Spill Cause: Traffic Accident  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Date: 8/26/2004  
SWIS: 4101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 8/25/2004  
CID: 407  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/25/2004  
Spill Record Last Update: 8/26/2004  
Spiller Name: ERT DESK  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY 10003  
Spiller Company: 999  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis no. 155061:1 gallon anti-freeze spill from vehicle #23553 onto the roadway and into a catch basin. The spill was confined to the catch basin and cleaned up.

Remarks: Not reported

Material:

Site ID: 267008  
Operable Unit ID: 889259  
Operable Unit: 01  
Material ID: 486557  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 1  
Units: Gallons  
Recovered: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106698640

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

C12  
WSW 10419 100TH ST  
< 1/8 OZONE PARK, NY 11417  
0.087 mi.  
461 ft. Site 4 of 6 in cluster C

EDR US Hist Auto Stat 1015137340  
N/A

Relative: EDR Historical Auto Stations:  
Lower Name: BLUE LANE CAR SERVICE  
Year: 2004  
Actual: Address: 10419 100TH ST  
34 ft.

C13  
WSW 10423 100TH ST  
< 1/8 OZONE PARK, NY 11417  
0.087 mi.  
461 ft. Site 5 of 6 in cluster C

EDR US Hist Auto Stat 1015137453  
N/A

Relative: EDR Historical Auto Stations:  
Lower Name: KAMS LUBE INCORPORATED  
Year: 2000  
Actual: Address: 10423 100TH ST  
34 ft.  
  
Name: KAMS LUBE INC  
Year: 2002  
Address: 10423 100TH ST  
  
Name: KAMS LUBE INC  
Year: 2003  
Address: 10423 100TH ST  
  
Name: KAMS LUBE INC  
Year: 2004  
Address: 10423 100TH ST  
  
Name: KAMS LUBE INC  
Year: 2008  
Address: 10423 100TH ST  
  
Name: KAMS LUBE INC  
Year: 2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015137453

Address: 10423 100TH ST  
Name: KAMS LUBE INCORPORATED  
Year: 2011  
Address: 10423 100TH ST  
Name: KAMSLUBE INC  
Year: 2012  
Address: 10423 100TH ST

D14  
ENE  
< 1/8  
0.090 mi.  
476 ft.

ROMA CLEANERS CORP  
104-07 LIBERTY AVE  
OZONE PARK, NY 11417  
Site 2 of 3 in cluster D

RCRA NonGen / NLR  
FINDS 1000141868  
NYD986890283

Relative:  
Higher

RCRA NonGen / NLR:

Actual:  
39 ft.

Date form received by agency: 01/01/2007  
Facility name: ROMA CLEANERS CORP  
Facility address: 104-07 LIBERTY AVE  
OZONE PARK, NY 114171730  
EPA ID: NYD986890283  
Mailing address: LIBERTY AVE  
OZONE PARK, NY 11417  
Contact: Not reported  
Contact address: LIBERTY AVE  
OZONE PARK, NY 11417  
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: CATALINA MONDAEA  
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

Owner/operator name: CATALINA MONDAEA  
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

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROMA CLEANERS CORP (Continued)**

**1000141868**

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: ROMA CLEANERS CORP  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Facility name: ROMA CLEANERS CORP  
Classification: Not a generator, verified

Date form received by agency: 02/08/1990  
Facility name: ROMA CLEANERS CORP  
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004442210

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.

D15  
ENE  
< 1/8  
0.096 mi.  
509 ft.

10416 LIBERTY AVE  
OZONE PARK, NY 11417

Site 3 of 3 in cluster D

Relative:  
Higher

EDR Historical Cleaners:  
Name: ZOUS LAUNDROMAT  
Year: 1999

Actual:  
39 ft.

Address: 10416 LIBERTY AVE

Name: ZOUS LAUNDROMAT  
Year: 2000  
Address: 10416 LIBERTY AVE

EDR US Hist Cleaners 1014970612  
N/A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1014970612

Name: LEUNGS LAUNDROMAT  
Year: 2001  
Address: 10416 LIBERTY AVE

Name: LEUNGS LAUNDROMAT  
Year: 2002  
Address: 10416 LIBERTY AVE

Name: ZOUS LAUNDROMAT  
Year: 2003  
Address: 10416 LIBERTY AVE

Name: ZOUS LAUNDROMAT  
Year: 2004  
Address: 10416 LIBERTY AVE

Name: ZOUS LAUNDROMAT  
Year: 2005  
Address: 10416 LIBERTY AVE

Name: L C LAUNDROMAT  
Year: 2008  
Address: 10416 LIBERTY AVE

Name: ZOUS LAUNDROMAT  
Year: 2009  
Address: 10416 LIBERTY AVE

Name: K & N SUPER SUDS  
Year: 2010  
Address: 10416 LIBERTY AVE

Name: K & N SUPER SUDS  
Year: 2011  
Address: 10416 LIBERTY AVE

Name: K & N SUPER SUDS  
Year: 2012  
Address: 10416 LIBERTY AVE

E16 106TH PCT  
NW 103-55 101ST STREET  
< 1/8 OZONE PARK, NY 11417  
0.097 mi.  
511 ft. Site 1 of 4 in cluster E

UST U004081715  
N/A

Relative: UST:  
Lower Facility Id: 2-217557  
Region: STATE  
Actual: DEC Region: 2  
34 ft. Site Status: Active  
Program Type: PBS  
Expiration Date: 2012/10/15  
UTM X: 598030.78763000004  
UTM Y: 4504131.7344199996  
Affiliation Records:  
Site Id: 8239

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106TH PCT (Continued)

U004081715

Affiliation Type: Owner  
Company Name: N Y C P D/ ASD  
Contact Type: POLICE OFFICER  
Contact Name: J. CORDES FOR C.O.  
Address1: 1 POLICE PLAZA ROOM 800  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (646) 610-7650  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 7/2/2009

Site Id: 8239  
Affiliation Type: Mail Contact  
Company Name: BUILDING MAINTENANCE SECTION  
Contact Type: Not reported  
Contact Name: COMMANDING OFFICER  
Address1: 59-06 BROOKLYN QUEENS EXPRESSWAY  
Address2: Not reported  
City: WOODSIDE  
State: NY  
Zip Code: 11377  
Country Code: 001  
Phone: (718) 476-7576  
Phone Ext: Not reported  
Email: FPDFUEL@NYPD.ORG  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/25/2012

Site Id: 8239  
Affiliation Type: On-Site Operator  
Company Name: NYPD 106TH PCT. STATION HOUSE  
Contact Type: Not reported  
Contact Name: N Y C P D  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 845-2200  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 8239  
Affiliation Type: Emergency Contact  
Company Name: N Y C P D/ ASD  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106TH PCT (Continued)

U004081715

Contact Name: N Y C P D  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 476-7576  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/2/2005

Tank Info:

Site ID: 8239

Tank Number: 001  
Tank ID: 23676  
Tank Status: Closed - In Place  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction

Install Date: 10/01/1995  
Capacity Gallons: 1100  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 10/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 8239

Tank Number: 003  
Tank ID: 47038  
Tank Status: Tank Converted to Non-Regulated Use  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106TH PCT (Continued)

U004081715

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Install Date: 12/01/1976  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

E17  
NW  
< 1/8  
0.097 mi.  
511 ft.

106 PCT  
103-55 101ST ST  
QUEENS, NY 11417  
Site 2 of 4 in cluster E

HIST UST U003074605  
AST N/A  
HIST AST

Relative:  
Lower

HIST UST:

Actual:  
34 ft.

PBS Number: 2-217557  
SPDES Number: Not reported  
Emergency Contact: N Y C P D  
Emergency Telephone: (212) 374-4933  
Operator: N Y C P D  
Operator Telephone: (718) 845-2200  
Owner Name: N Y C P D/ ASD  
Owner Address: 1 POLICE PLAZA ROOM 800  
Owner City,St,Zip: NEW YORK, NY 10038  
Owner Telephone: (212) 374-7650  
Owner Type: Local Government  
Owner Subtype: The City of New York  
Mailing Name: COMMANDING OFFICER  
Mailing Address: BUILDING MAINTENANCE SECTION  
Mailing Address 2: 59-06 BROOKLYN QUEENS EXP. WAY  
Mailing City,St,Zip: QUEENS, NY 11377  
Mailing Contact: Not reported  
Mailing Telephone: (718) 476-7576  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.  
Facility Addr2: 103055 101ST ST  
SWIS ID: 6301  
Old PBS Number: Not reported  
Facility Type: Not reported  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 01/13/1994  
Expiration Date: 10/15/1997  
Renew Flag: False  
Renewal Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106 PCT (Continued)

U003074605

Total Capacity: 0  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: No Missing Data  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 63  
Town or City: 01  
Region: 2

Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place  
Install Date: 19951001  
Capacity (gals): 1100  
Product Stored: UNLEADED GASOLINE  
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: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 10/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 003  
Tank Location: UNDERGROUND  
Tank Status: Tank Converted To Non-Regulated Use  
Install Date: 19761201  
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: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106 PCT (Continued)

U003074605

Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1996  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-217557  
Program Type: PBS  
UTM X: 598030.78763000004  
UTM Y: 4504131.7344199996  
Expiration Date: 2012/10/15

Affiliation Records:

Site Id: 8239  
Affiliation Type: Owner  
Company Name: N Y C P D/ ASD  
Contact Type: POLICE OFFICER  
Contact Name: J. CORDES FOR C.O.  
Address1: 1 POLICE PLAZA ROOM 800  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (646) 610-7650  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 7/2/2009

Site Id: 8239  
Affiliation Type: Mail Contact  
Company Name: BUILDING MAINTENANCE SECTION  
Contact Type: Not reported  
Contact Name: COMMANDING OFFICER  
Address1: 59-06 BROOKLYN QUEENS EXPRESSWAY  
Address2: Not reported  
City: WOODSIDE  
State: NY  
Zip Code: 11377  
Country Code: 001  
Phone: (718) 476-7576  
Phone Ext: Not reported  
Email: FPDFUEL@NYPD.ORG  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/25/2012

Site Id: 8239  
Affiliation Type: On-Site Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106 PCT (Continued)

U003074605

Company Name: NYPD 106TH PCT. STATION HOUSE  
Contact Type: Not reported  
Contact Name: N Y C P D  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 845-2200  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 8239  
Affiliation Type: Emergency Contact  
Company Name: N Y C P D/ ASD  
Contact Type: Not reported  
Contact Name: N Y C P D  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 476-7576  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/2/2005

Tank Info:

Tank Number: 002  
Tank Id: 23677

Equipment Records:

G00 - Tank Secondary Containment - None  
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  
I04 - Overfill - Product Level Gauge (A/G)  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 07/01/1959  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106 PCT (Continued)

U003074605

Next Test Date: Not reported  
Date Tank Closed: 02/01/1994  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Tank Number: 004  
Tank Id: 182274

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)  
G03 - Tank Secondary Containment - Vault (w/o access)  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
C03 - Pipe Location - Aboveground/Underground Combination  
F04 - Pipe External Protection - Fiberglass  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
B04 - Tank External Protection - Fiberglass  
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location: 3  
Tank Type: Concrete  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/01/2003  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 03/02/2005

Tank Number: 005  
Tank Id: 182275

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
F00 - Pipe External Protection - None  
C01 - Pipe Location - Aboveground  
I99 - Overfill - Other  
B00 - Tank External Protection - None  
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/01/2003  
Capacity Gallons: 25  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106 PCT (Continued)

U003074605

Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 03/02/2005

Tank Number: 006  
Tank Id: 182276

Equipment Records:

C01 - Pipe Location - Aboveground  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I99 - Overfill - Other  
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/01/2003  
Capacity Gallons: 25  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 03/02/2005

HIST AST:

PBS Number: 2-217557  
SWIS Code: 6301  
Operator: N Y C P D  
Facility Phone: (718) 845-2200  
Facility Addr2: 103055 101ST ST  
Facility Type: Not reported  
Emergency: N Y C P D  
Emergency Tel: (212) 374-4933  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: N Y C P D/ ASD  
Owner Address: 1 POLICE PLAZA ROOM 800  
Owner City,St,Zip: NEW YORK, NY 10038  
Federal ID: Not reported  
Owner Tel: (212) 374-7650  
Owner Type: Local Government  
Owner Subtype: C  
Mailing Contact: Not reported  
Mailing Name: COMMANDING OFFICER  
Mailing Address: BUILDING MAINTENANCE SECTION  
Mailing Address 2: 59-06 BROOKLYN QUEENS EXP. WAY  
Mailing City,St,Zip: QUEENS, NY 11377

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

106 PCT (Continued)

U003074605

Mailing Telephone: (718) 476-7576  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.  
Certification Flag: False  
Certification Date: 01/13/1994  
Expiration: 10/15/1997  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: No Missing Data  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 63  
Town or City Code: 01  
Region: 2  
  
Tank ID: 002  
Tank Location: ABOVEGROUND  
Tank Status: Closed-Removed  
Install Date: 19590701  
Capacity (Gal): 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: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 02/01/1994  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

E18  
NW  
< 1/8  
0.100 mi.  
526 ft.

NYC POLICE PRECT. 106  
103-53 101ST ST  
OZONE PARK, NY  
Site 3 of 4 in cluster E

HIST LTANKS S103478934  
N/A

Relative:  
Lower

HIST LTANKS:

Actual:  
34 ft.

Region of Spill: 2  
Spill Number: 9805028  
Spill Date: 07/22/1998  
Spill Time: 13:30  
Spill Cause: Tank Overfill  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Other Non Commercial/Industrial  
Spill Class: Not reported  
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  
Reported to Department Date: 07/22/98  
Reported to Department Time: 15:02  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: COASTAL OIL OF NY INC  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spiller Cleanup Date: / /  
Facility Contact: Not reported  
Facility Phone: (800) 247-5232  
Facility Extention: Not reported  
Spill Notifier: Affected Persons  
PBS Number: 2-217557  
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: 07/22/98  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 09/01/98  
Is Updated: False

Tank:

PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NYC POLICE PRECT. 106 (Continued)**

**S103478934**

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: #2 FUEL OIL  
 Class Type: #2 FUEL OIL  
 Times Material Entry In File: 24464  
 CAS Number: Not reported  
 Last Date: 19941207

DEC Remarks: MARK STRAHLE OF PROMATECH REPORTS THAT 100 TONS OF CONTAMINATED SOIL WERE EXCAVATED AND REMOVED; THREE END-POINT SAMPLES WERE COLLECTED AND ANALYZED FOR STARS VOCs SEMI VOCs, LAB RESULTS FELL BELOW DETECTION LIMITS. JK INSTRUCTED PROMATECH TO PERFORM TEMPORARY CLOSURE BY PUMPING OUT TANK AND CAPPING ALL LINES.

Spill Cause: Work being done to install a handi-cap ramp; contaminated soil encountered. Caller will contact region office to speak to a rep. Appears to be from tank overfills or spillage during tank fills.

**E19  
 NW  
 < 1/8  
 0.100 mi.  
 527 ft.**

**NYC PD PRECINCT 106  
 103-53 101ST ST  
 QUEENS, NY  
 Site 4 of 4 in cluster E**

**LTANKS S104951008  
 HIST LTANKS N/A  
 NY Spills**

**Relative:  
 Lower**

**LTANKS:**  
 Site ID: 111958  
 Spill No: 0012662  
 Spill Date: 2/27/2001  
 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: Not reported  
 Facility Addr2: Not reported  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 4101  
 Investigator: JAKOLLEE  
 Referred To: AWAIT INSTALLN OF 3 MORE WELLS, REM PRPSL  
 Reported to Dept: 2/27/2001  
 CID: 281  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 1  
 Date Entered In Computer: 2/27/2001  
 Spill Record Last Update: 11/16/2011  
 Spiller Name: SCOTT SWANSON  
 Spiller Company: CITY OF NEW YORK

**Actual:  
 34 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYC PD PRECINCT 106 (Continued)

S104951008

Spiller Address: Not reported  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: SCOTT SWANSON  
Spiller Phone: (347) 672-5439  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 272349  
DEC Memo: 7/5/06: This spill case transferred from I. Islam to J. Kolleeny. See also spill 9805028. - JK06/06/08: Reviewed Request for Spill Closure dated 5/22/08, submitted by Roux Assoc. (in eDocs). Report includes Nov. '03 Tank Closure Report by Gemstar; they drilled through sides, ends and bottom of tank during closure in place to collect 5 end-pt soil samples, sample results showed minor exceedances for several SVOCs. However, no sample was taken at fill port. I sent letter (in eDocs) to Afsar Samani of DDC (cc's to Fatemeh Ashkan of DDC, Renee Wong of Roux, Ed Looney of Greyhawk) stating that spill report indicated problem at fill port, pointing out that no sample was taken at fill port during tank closure. Requested collection of soil sample at fill port; also, noted that related spill 9805028 (for contaminated soil found during construction of handicapped ramp at precinct) has Caller Remarks speculating that contamination may have been due to overfills, suggesting that ramp is near tank's fill port, and has DEC Remarks stating that according to consultant Promatech, 100 tons of contam soil were removed, 3 end-pt samples collected, and all results ND, but that lab results had never been submitted to DEC, and I asked DDC to try to obtain those data and submit to DEC in support of spill closure. - J. Kolleeny06/12/08: At direction of supervisor Vadim Brevdo, closed related spill no. 9805028 to consolidate with this open spill (0012662), under which investigation/remediation of subsurface petroleum contamination at site is being tracked. Also, see closed spill no. 0308327, reported in Nov. 2003 when contaminated soil was encountered, presumably during closure of heating oil tank; spill was closed by Tim Demeo of Spill Response. - J. Kolleeny03/07/11: Reviewed Site Specific Investigation Plan dated December 2010 by LiRo (in eDocs). Plan proposes 3 soil borings and 1 monitoring well in vicinity of former fill port for closed-in-place 3,000-gal fuel oil UST and nearby ramp. I sent approval letter (in eDocs) to Afsar Samani of DDC, cc's to Fatemeh Ashkan of DDC and Steve Frank of LiRo. - J. Kolleeny11/16/11: Reviewed ISRP rpt by LiRo dated 10/05/11 (in eDocs). Rpt presents results of 3 soil borings and 1 well installed at site in April 2011, with GW sampled in June 2011. Results show significant soil impacts (265,100 ug/kg total VOCs in LSB-03, 23-25 ft interval) and low-moderate GW impact (437 ug/L tVOCs in LMW-01). Based on data, LiRo recommends install'n of 3 more wells (feasibility of proposed well locations to be determined by site recon), with evaluation of remedial alternatives as warranted based on results. I sent approval letter (in eDocs) to Afsar Samani of DDC, cc's to Fatemeh Ashkan of DDC and Steve Frank of LiRo. - JK  
Remarks: TANK TEST FAILURE AT ABOVE LOCATION. PROBLEM APPEARS TO BE REMOTEFILL. TANK TO BE EXCAVATED/REPAIRED/RETESTED.  
Material:  
Site ID: 111958  
Operable Unit ID: 834208  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYC PD PRECINCT 106 (Continued)

S104951008

Material ID: 542927  
Material Code: 0001A  
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: 111958  
Spill Tank Test: 1526121  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: F  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown  
Site ID: 111958  
Spill Tank Test: 1526122  
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

HIST LTANKS:

Region of Spill: 2  
Spill Number: 0012662  
Spill Date: 02/27/2001  
Spill Time: 13:30  
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: / /  
Cleanup Ceased: / /  
Cleanup Meets Standard: False  
Investigator: DEMEO  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC PD PRECINCT 106 (Continued)**

**S104951008**

Notifier Extension: Not reported  
Reported to Department Date: 02/27/01  
Reported to Department Time: 15:00  
SWIS: 63  
Spiller Contact: SCOTT SWANSON  
Spiller Phone: (347) 672-5439  
Spiller Extention: Not reported  
Spiller Name: CITY OF NEW YORK  
Spiller Address: Not reported  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Cleanup Date: / /  
Facility Contact: SCOTT SWANSON  
Facility Phone: (347) 672-5439  
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: 02/27/01  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 02/28/01  
Is Updated: False

**Tank:**

PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: 0  
Test Method: Unknown  
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: TANK TEST FAILURE AT ABOVE LOCATION. PROBLEM APPEARS TO BE REMOTE FILL. TANK TO BE EXCAVATED/REPAIRED/RETESTED.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYC PD PRECINCT 106 (Continued)

S104951008

SPILLS:

Facility ID: 9805028  
DER Facility ID: 272349  
Facility Type: ER  
Site ID: 111960  
DEC Region: 2  
Spill Number: 9805028  
Spill Date: 7/22/1998  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)

Spill Closed Date: 6/12/2008  
SWIS: 4101  
Investigator: JAKOLLEE  
Referred To: Not reported  
Reported to Dept: 7/22/1998  
CID: 233  
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: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/22/1998  
Spill Record Last Update: 6/13/2008  
Spiller Name: Not reported  
Spiller Company: COASTAL OIL OF NY INC  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KOLLEENY" MARK STRAHLE OF PROMATECH REPORTS THAT 100 TONS OF CONTAMINATED SOIL WERE EXCAVATED AND REMOVED; THREE END-POINT SAMPLES WERE COLLECTED AND ANALYZED FOR STARS VOCs & SEMI VOCs, LAB RESULTS FELL BELOW DETECTION LIMITS. JK INSTRUCTED PROMATECH TO PERFORM TEMPORARY CLOSURE BY PUMPING OUT TANK AND CAPPING ALL LINES.  
06/06/08: In letter to DDC responding to closure request for spill 0012662, asked DDC to obtain and submit data for 3 end-point samples mentioned above by Promatech. - J. Kolleeny  
06/12/08: At direction of supervisor Vadim Brevdo, I closed this spill to consolidate with open spill no. 0012662, under which investigation/remediation of subsurface petroleum contamination at this site is being tracked. Later same day, received Request for Spill Closure (in eDocs) from Renee Wong of Roux Assoc. I sent email to her, cc's to Afsar Samani & Fatemeh Ashkan of DDC, Ed Looney of Greyhawk, saying: "Regarding Spill Closure Request for DEC Spill No. 9805028 at 106th Precinct, I have closed that spill to consolidate with open spill 0012662 at same site, since they appear to refer to contamination related to same no. 2 fuel oil UST. (I recently issued letter requesting that soil sample be collected at fill port location for that tank, to address open spill 0012662.) A "No Further Action" letter will NOT be issued for closure of spill no. 9805028, and I repeat my request that an attempt

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC PD PRECINCT 106 (Continued)**

**S104951008**

Remarks: be made to locate and submit results of end-point sampling performed by Promatech after removal of contaminated soil from handi-capped ramp area mentioned in spill report, in order to resolve open spill case 0012662. If you have any questions, please contact me. - J. Kolleeny  
Work being done to install a handi-cap ramp; contaminated soil encountered. Caller will contact region office to speak to a rep. Appears to be from tank overfills or spillage during tank fills.

Material:

Site ID: 111960  
Operable Unit ID: 1066064  
Operable Unit: 01  
Material ID: 319780  
Material Code: 0001A  
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

Facility ID: 0308327  
DER Facility ID: 272349  
Facility Type: ER  
Site ID: 111959  
DEC Region: 2  
Spill Number: 0308327  
Spill Date: 11/6/2003  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Date: 1/31/2006  
SWIS: 4101  
Investigator: TJDEMEO  
Referred To: Not reported  
Reported to Dept: 11/6/2003  
CID: 428  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: 1/31/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC PD PRECINCT 106 (Continued)**

**S104951008**

Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/6/2003  
Spill Record Last Update: 6/2/2008  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller Company: 001  
Contact Name: MICHELE VISIONE  
Contact Phone: (718) 442-8200  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"01/31/06 Rem Bureau Staff closed spill - work was ongoing in 2003 assumed completed.

Remarks: found at nypd 106th precinctcontaminated soil clean up in process

Material:

Site ID: 111959  
Operable Unit ID: 874588  
Operable Unit: 01  
Material ID: 501835  
Material Code: 0001A  
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

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**F20**  
**WSW** 10419 99TH ST  
< 1/8 OZONE PARK, NY 11417  
0.106 mi.  
561 ft. **Site 1 of 4 in cluster F**

**EDR US Hist Auto Stat** 1015137342  
N/A

**Relative:** EDR Historical Auto Stations:  
**Higher** Name: BLUE LANE CAR SVCE  
Year: 2011  
Address: 10419 99TH ST  
  
Name: BLUE LANE CAR SVCE  
Year: 2012  
Address: 10419 99TH ST

**Actual:**  
35 ft.

**C21**  
**WSW** 10371 99TH ST  
< 1/8 OZONE PARK, NY 11417  
0.106 mi.  
562 ft. **Site 6 of 6 in cluster C**

**EDR US Hist Auto Stat** 1015135439  
N/A

**Relative:** EDR Historical Auto Stations:  
**Higher** Name: ROCK 98 AUTO REPAIR SERVICE  
Year: 2007  
Address: 10371 99TH ST  
  
Name: ROCK 98 AUTO REPAIR SERVICE  
Year: 2008  
Address: 10371 99TH ST  
  
Name: NEW DOCTOR VINNEYS AUTO RPR  
Year: 2010  
Address: 10371 99TH ST  
  
Name: THE NEW DOCTOR VINNIES AUTO REPAIR I  
Year: 2012  
Address: 10371 99TH ST

**Actual:**  
35 ft.

**F22**  
**WSW** 10363 99TH ST  
< 1/8 OZONE PARK, NY 11417  
0.107 mi.  
566 ft. **Site 2 of 4 in cluster F**

**EDR US Hist Auto Stat** 1015135327  
N/A

**Relative:** EDR Historical Auto Stations:  
**Higher** Name: TOMMYS AUTO REPAIR  
Year: 1999  
Address: 10363 99TH ST  
  
Name: TOMMYS AUTO REPAIR  
Year: 2000  
Address: 10363 99TH ST  
  
Name: TOMMYS AUTO REPAIR  
Year: 2003  
Address: 10363 99TH ST  
  
Name: TOMMYS AUTO REPAIR

**Actual:**  
35 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015135327

Year: 2004  
Address: 10363 99TH ST

Name: TOMMYS AUTO REPAIR  
Year: 2006  
Address: 10363 99TH ST

Name: TOMMYS AUTO REPAIR  
Year: 2007  
Address: 10363 99TH ST

Name: TOMMYS AUTO REPAIR  
Year: 2008  
Address: 10363 99TH ST

Name: TOMMYS AUTO REPAIR  
Year: 2009  
Address: 10363 99TH ST

Name: TOMMYS AUTO REPAIR  
Year: 2010  
Address: 10363 99TH ST

Name: TOMMYS AUTOMOBILE REPAIR  
Year: 2011  
Address: 10363 99TH ST

Name: TOMMYS AUTO REPAIR  
Year: 2012  
Address: 10363 99TH ST

F23  
WSW  
< 1/8  
0.107 mi.  
566 ft.

CON EDISON  
LIBERTY AVE & 99TH ST  
OZONE PARK, NY 11417

RCRA-CESQG 1014397303  
NYP004196218

Site 3 of 4 in cluster F

Relative:  
Higher

RCRA-CESQG:

Date form received by agency: 09/21/2009

Facility name: CON EDISON

Facility address: LIBERTY AVE & 99TH ST  
OZONE PARK, NY 11417

EPA ID: NYP004196218

Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: CAROLINE ISKANDER

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (718) 666-4714

Contact email: Not reported

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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON (Continued)**

**1014397303**

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

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

Violation Status: No violations found

**F24**  
**WSW**  
 < 1/8  
 0.108 mi.  
 572 ft.

**MANHOLE #13924**  
**99TH ST AND LIBERTY AVE**  
**QUEENS, NY**

**NY Spills** **S103485015**  
**NY Hist Spills** **N/A**

**Site 4 of 4 in cluster F**

**Relative:**  
**Higher**

**Actual:**  
**35 ft.**

SPILLS:

Facility ID: 9808249  
 DER Facility ID: 68538  
 Facility Type: ER  
 Site ID: 72660  
 DEC Region: 2  
 Spill Number: 9808249  
 Spill Date: 10/5/1998  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Spill Closed Date: 10/23/2002  
 SWIS: 4101  
 Investigator: JHOCONNE  
 Referred To: Not reported  
 Reported to Dept: 10/5/1998  
 CID: 384  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE #13924 (Continued)**

**S103485015**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/5/1998  
Spill Record Last Update: 10/23/2002  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"Con Ed e2mis #120309:oct-05-98 mh 13924 w/s 99 st 305' n/o liberty ave. Found unknown 1 qt substance in 50 gal of water .It is contained and sewer and waterways are not affected. tag #03370 was hung.CIG (MASSERIA) NOTIFIED 1243HRS 10/5/9810-07-98 23:02HRS THIS JOB SHOULD BE TREATED AS A 50-499, EPA NUMBER WAS OBTAINED AT 23:10HRS. CLEANUP WILL BEGIN ON MIDNIGHT SHIFT. S.PACE 49874. EPA # NYP004018701.LAB RESULT RECEIVED 10/7/98 - 1115. 98-10691. <1.0 PPM. UPDATE 10-8-98 RAFTFLUSH TK REPORTS IN MH13924 ( <1 PPM ) CLEANUP IS COMPLETED WITH SLIX AND E.S.TAG #03370 WAS REMOVED 1850 HRS. UPDATE - 10/8/98 - SUPERVISOR RANDY WALTER REPORTS CLEAN UP COMPLETE BY ENVIRONMENTAL OPS EMPLOYEES RAFT & DAVIS. STOPTAG #03370 REMOVED. CON EDISON #120309.

Remarks:

Material:

Site ID: 72660  
Operable Unit ID: 1069442  
Operable Unit: 01  
Material ID: 315769  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
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

NY Hist Spills:

Region of Spill: 2  
Spill Number: 9808249

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE #13924 (Continued)**

**S103485015**

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: 10/05/1998 11:30  
Reported to Dept Date/Time: 10/05/98 12:48  
SWIS: 63  
Spiller Name: UNKNOWN  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spill Cause: Unknown  
Reported to Dept: On Land  
Water Affected: Not reported  
Spill Source: 12  
Spill Notifier: Other  
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: / /  
Date Spill Entered In Computer Data File: 10/05/98  
Date Spill Entered In Computer Data File: Not reported  
Update Date: 10/06/98  
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: UNKNOWN PETROLEUM  
Class Type: UNKNOWN PETROLEUM  
Times Material Entry In File: 16414  
CAS Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE #13924 (Continued)**

**S103485015**

Last Date: 19940929  
DEC Remarks: Not reported  
Remark: CON EDISON 120309.

**G25**  
**West**  
**< 1/8**  
**0.109 mi.**  
**576 ft.**

**10359 99TH ST**  
**OZONE PARK, NY 11417**  
**Site 1 of 4 in cluster G**

**EDR US Hist Auto Stat 1015135213**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Auto Stations:

Name: JAMES AUTO REPAIR  
Year: 1999  
Address: 10359 99TH ST

**Actual:**  
**34 ft.**

Name: JAMES AUTO REPAIR  
Year: 2000  
Address: 10359 99TH ST

Name: JAMES AUTO REPAIR  
Year: 2002  
Address: 10359 99TH ST

Name: JAMES AUTO REPAIR  
Year: 2003  
Address: 10359 99TH ST

**G26**  
**West**  
**< 1/8**  
**0.110 mi.**  
**582 ft.**

**10357 99TH ST**  
**OZONE PARK, NY 11417**  
**Site 2 of 4 in cluster G**

**EDR US Hist Auto Stat 1015135206**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Auto Stations:

Name: R & C AUTOMOTIVE  
Year: 2001  
Address: 10357 99TH ST

**Actual:**  
**35 ft.**

Name: R & C AUTOMOTIVE  
Year: 2002  
Address: 10357 99TH ST

Name: R & C AUTOMOTIVE  
Year: 2003  
Address: 10357 99TH ST

Name: R & C AUTOMOTIVE  
Year: 2004  
Address: 10357 99TH ST

Name: R & C AUTOMOTIVE  
Year: 2005  
Address: 10357 99TH ST

Name: R & C AUTOMOTIVE  
Year: 2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015135206

Address: 10357 99TH ST  
Name: R & C AUTOMOTIVE  
Year: 2007  
Address: 10357 99TH ST  
Name: R & C AUTOMOTIVE  
Year: 2008  
Address: 10357 99TH ST  
Name: R & C AUTOMOTIVE  
Year: 2009  
Address: 10357 99TH ST  
Name: R & C AUTOMOTIVE  
Year: 2010  
Address: 10357 99TH ST  
Name: R & C AUTOMOTIVE  
Year: 2011  
Address: 10357 99TH ST  
Name: R & C AUTOMOTIVE  
Year: 2012  
Address: 10357 99TH ST

G27  
West  
< 1/8  
0.112 mi.  
589 ft.

10355 99TH ST  
OZONE PARK, NY 11417  
Site 3 of 4 in cluster G

EDR US Hist Auto Stat 1015135188  
N/A

Relative:  
Higher  
Actual:  
35 ft.

EDR Historical Auto Stations:  
Name: JOHNNYS AUTO REPAIR  
Year: 2004  
Address: 10355 99TH ST  
Name: JOHNNYS AUTO REPAIR  
Year: 2005  
Address: 10355 99TH ST  
Name: JOHNNYS AUTO REPAIR  
Year: 2006  
Address: 10355 99TH ST  
Name: JOHNNYS AUTO REPAIR  
Year: 2007  
Address: 10355 99TH ST  
Name: JOHNNYS AUTO REPAIR  
Year: 2008  
Address: 10355 99TH ST  
Name: JOHNNYS AUTO REPAIR  
Year: 2009  
Address: 10355 99TH ST  
Name: JOHNNYS AUTO REPAIR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015135188

Year: 2010  
Address: 10355 99TH ST  
  
Name: J & SONS AUTO REPAIR  
Year: 2011  
Address: 10355 99TH ST  
  
Name: J & SONS AUTO REPAIR  
Year: 2012  
Address: 10355 99TH ST

G28  
West  
< 1/8  
0.112 mi.  
589 ft.

J & SONS AUTO REPAIR INC.  
103-55 99TH STREET  
SOUTH OZONE PARK, NY 11417

AST A100307820  
N/A

Site 4 of 4 in cluster G

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-610612  
Program Type: PBS  
UTM X: 597994.35452000005  
UTM Y: 4504001.4735500002  
Expiration Date: 2012/07/19

Actual:  
35 ft.

Affiliation Records:  
Site Id: 384557  
Affiliation Type: Owner  
Company Name: JOHNNYS AUTO REPAIRS  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 103-55 99TH ST.  
Address2: Not reported  
City: SO. OZONE PK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 738-3707  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/19/2007

Site Id: 384557  
Affiliation Type: Mail Contact  
Company Name: JOHNNYS AUTO REPAIRS  
Contact Type: Not reported  
Contact Name: VICKRAM MANGROO  
Address1: 103-55 99TH STREET  
Address2: Not reported  
City: SOUTH OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 738-3707

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J & SONS AUTO REPAIR INC. (Continued)**

**A100307820**

Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/19/2007

Site Id: 384557  
Affiliation Type: On-Site Operator  
Company Name: JOHNNYS AUTO REPAIRS  
Contact Type: Not reported  
Contact Name: VICKRAM MANGROO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 738-3707  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/19/2007

Site Id: 384557  
Affiliation Type: Emergency Contact  
Company Name: JOHNNYS AUTO REPAIRS  
Contact Type: Not reported  
Contact Name: VICKRAM MANGROO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 738-3707  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/19/2007

Tank Info:

Tank Number: 001  
Tank Id: 231360

Equipment Records:

B00 - Tank External Protection - None  
K00 - Spill Prevention - None  
E00 - Piping Secondary Containment - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J & SONS AUTO REPAIR INC. (Continued)**

**A100307820**

I04 - Overfill - Product Level Gauge (A/G)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 02/20/2002  
Capacity Gallons: 275  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 01/14/2010

Tank Number: 001  
Tank Id: 218455

Equipment Records:

E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
G10 - Tank Secondary Containment - Impervious Underlayment  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
D00 - Pipe Type - No Piping  
J00 - Dispenser - None  
B00 - Tank External Protection - None  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None  
I00 - Overfill - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 275  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 07/19/2007

Affiliation Records:

Site Id: 421157  
Affiliation Type: Owner  
Company Name: J & SONS AUTO REPAIR INC.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 103-55 99TH STREET  
Address2: Not reported  
City: SO. OZONE PARK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J & SONS AUTO REPAIR INC. (Continued)**

**A100307820**

State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 738-3707  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/14/2010

Site Id: 421157  
Affiliation Type: Mail Contact  
Company Name: J & SONS AUTO REPAIR INC.  
Contact Type: Not reported  
Contact Name: VICKRAM C. MANGROO  
Address1: 103-55 99TH STREET  
Address2: Not reported  
City: SOUTH OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 738-3707  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/14/2010

Site Id: 421157  
Affiliation Type: On-Site Operator  
Company Name: J & SONS AUTO REPAIR INC.  
Contact Type: Not reported  
Contact Name: VICKRAM C. MANGROO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 738-3707  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/14/2010

Site Id: 421157  
Affiliation Type: Emergency Contact  
Company Name: J & SONS AUTO REPAIR INC.  
Contact Type: Not reported  
Contact Name: VICKRAM C. MANGROO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J & SONS AUTO REPAIR INC. (Continued)**

**A100307820**

Phone: (718) 738-3707  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/14/2010

Tank Info:

Tank Number: 001  
Tank Id: 231360

Equipment Records:

B00 - Tank External Protection - None  
K00 - Spill Prevention - None  
E00 - Piping Secondary Containment - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 02/20/2002  
Capacity Gallons: 275  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 01/14/2010

Tank Number: 001  
Tank Id: 218455

Equipment Records:

E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
G10 - Tank Secondary Containment - Impervious Underlayment  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
D00 - Pipe Type - No Piping  
J00 - Dispenser - None  
B00 - Tank External Protection - None  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None  
I00 - Overfill - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J & SONS AUTO REPAIR INC. (Continued)**

**A100307820**

Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 275  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 07/19/2007

**H29**  
**South**  
**< 1/8**  
**0.113 mi.**  
**598 ft.**

**10007 ROCKAWAY BLVD**  
**OZONE PARK, NY 11417**

**EDR US Hist Auto Stat 1015120564**  
**N/A**

**Site 1 of 8 in cluster H**

**Relative:**  
**Higher**

**EDR Historical Auto Stations:**

**Actual:**  
**47 ft.**

Name: CLIFFS AUTO REPAIR INCORPORATED  
Year: 1999  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR INCORPORATED  
Year: 2000  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR INC  
Year: 2001  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR INC  
Year: 2002  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR  
Year: 2003  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR INC  
Year: 2004  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR INC  
Year: 2005  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR INC  
Year: 2006  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR INC  
Year: 2007  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR  
Year: 2008  
Address: 10007 ROCKAWAY BLVD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015120564

Name: CLIFFS AUTO REPAIR INC  
Year: 2009  
Address: 10007 ROCKAWAY BLVD

Name: ROCKAWAY GAS  
Year: 2010  
Address: 10007 ROCKAWAY BLVD

Name: ROCKAWAY SERVICE STATION INCORPORATE  
Year: 2011  
Address: 10007 ROCKAWAY BLVD

Name: CLIFFS AUTO REPAIR INC  
Year: 2012  
Address: 10007 ROCKAWAY BLVD

I30  
WNW  
< 1/8  
0.115 mi.  
608 ft.

10359 100TH ST  
OZONE PARK, NY 11417  
Site 1 of 5 in cluster I

EDR US Hist Auto Stat 1015135212  
N/A

Relative:  
Lower

EDR Historical Auto Stations:

Name: DELTA COLLISION EXPERTS INCORPORATED  
Year: 2000  
Address: 10359 100TH ST

Actual:  
34 ft.

Name: VINNYS AUTO SHOP  
Year: 2001  
Address: 10359 100TH ST

Name: VINNYS AUTO SHOP  
Year: 2002  
Address: 10359 100TH ST

Name: VINNYS AUTO SHOP  
Year: 2003  
Address: 10359 100TH ST

Name: SALIM AUTO BODY & CAR SALES INC  
Year: 2004  
Address: 10359 100TH ST

Name: DELTA COLLISION EXPERTS INC  
Year: 2005  
Address: 10359 100TH ST

Name: SALIM AUTO BODY & CAR SALES INC  
Year: 2006  
Address: 10359 100TH ST

Name: SALIM AUTO BODY & CAR SALES INC  
Year: 2007  
Address: 10359 100TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

H31  
South  
< 1/8  
0.116 mi.  
612 ft.

**ROCKAWAY SERVICE STATION INC.**  
**100-07 ROCKAWAY BOULEVARD**  
**OZONE PARK, NY 11417**

**AST A100300735**  
**N/A**

**Site 2 of 8 in cluster H**

**Relative:**  
**Higher**

AST:

**Actual:**  
**47 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-349259  
Program Type: PBS  
UTM X: 598062.38785000006  
UTM Y: 4503882.89790000002  
Expiration Date: 2015/02/03

Affiliation Records:

Site Id: 17186  
Affiliation Type: Mail Contact  
Company Name: 100-07 ROCKAWAY LLC  
Contact Type: Not reported  
Contact Name: JOSEPH MACCHIA  
Address1: 556 CENTRAL AVENUE  
Address2: Not reported  
City: BETHPAGE  
State: NY  
Zip Code: 11714  
Country Code: 001  
Phone: (516) 933-0700  
Phone Ext: Not reported  
Email: J,MACCHIAMDIAOL.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/9/2010

Site Id: 17186  
Affiliation Type: On-Site Operator  
Company Name: ROCKAWAY SERVICE STATION INC.  
Contact Type: Not reported  
Contact Name: ROCKAWAY SERVICE STATION INC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 659-8300  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/1/2010

Site Id: 17186  
Affiliation Type: Emergency Contact  
Company Name: 100-07 ROCKAWAY BLVD. LLC  
Contact Type: Not reported  
Contact Name: RICHARD HEGLER  
Address1: Not reported  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCKAWAY SERVICE STATION INC. (Continued)**

**A100300735**

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 659-5878  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/1/2010

Site Id: 17186  
Affiliation Type: Owner  
Company Name: 100-07 ROCKAWAY BLVD. LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 276 N. HENRY STREET  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11222  
Country Code: 001  
Phone: (718) 349-0555  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/1/2010

Tank Info:

Tank Number: 004  
Tank Id: 55552

Equipment Records:

C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
D00 - Pipe Type - No Piping  
J00 - Dispenser - None  
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)  
L00 - Piping Leak Detection - None  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
A00 - Tank Internal Protection - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
K01 - Spill Prevention - Catch Basin

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 06/01/1996  
Capacity Gallons: 550  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCKAWAY SERVICE STATION INC. (Continued)**

**A100300735**

Date Tank Closed: 07/01/2006  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 05/08/2007

**H32**  
**South**  
**< 1/8**  
**0.116 mi.**  
**612 ft.**

**ROCKAWAY SERVICE STATION INC.**  
**100-07 ROCKAWAY BOULEVARD**  
**OZONE PARK, NY 11417**

**UST U004077561**  
**N/A**

**Site 3 of 8 in cluster H**

**Relative:**  
**Higher**

UST:

**Actual:**  
**47 ft.**

Facility Id: 2-349259  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 2015/02/03  
UTM X: 598062.38785000006  
UTM Y: 4503882.8979000002

Affiliation Records:

Site Id: 17186  
Affiliation Type: Mail Contact  
Company Name: 100-07 ROCKAWAY LLC  
Contact Type: Not reported  
Contact Name: JOSEPH MACCHIA  
Address1: 556 CENTRAL AVENUE  
Address2: Not reported  
City: BETHPAGE  
State: NY  
Zip Code: 11714  
Country Code: 001  
Phone: (516) 933-0700  
Phone Ext: Not reported  
Email: J,MACCHIAMDIAOL.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/9/2010

Site Id: 17186  
Affiliation Type: On-Site Operator  
Company Name: ROCKAWAY SERVICE STATION INC.  
Contact Type: Not reported  
Contact Name: ROCKAWAY SERVICE STATION INC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 659-8300  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/1/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCKAWAY SERVICE STATION INC. (Continued)**

**U004077561**

Site Id: 17186  
Affiliation Type: Emergency Contact  
Company Name: 100-07 ROCKAWAY BLVD. LLC  
Contact Type: Not reported  
Contact Name: RICHARD HEGLER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 659-5878  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/1/2010

Site Id: 17186  
Affiliation Type: Owner  
Company Name: 100-07 ROCKAWAY BLVD. LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 276 N. HENRY STREET  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11222  
Country Code: 001  
Phone: (718) 349-0555  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/1/2010

**Tank Info:**

Site ID: 17186  
  
Tank Number: 001  
Tank ID: 33435  
Tank Status: In Service  
Tank Type: Steel/carbon steel  
Pipe Model: D

**Equipment Records:**

E04 - Piping Secondary Containment - Double-Walled (Underground)  
B07 - Tank External Protection - Retrofitted Sacrificial Anode  
I03 - Overfill - Automatic Shut-Off  
A01 - Tank Internal Protection - Epoxy Liner  
D11 - Pipe Type - Flexible Piping  
F05 - Pipe External Protection - Jacketed  
G00 - Tank Secondary Containment - None  
L08 - Piping Leak Detection - Tank Top Sump  
C02 - Pipe Location - Underground/On-ground  
I02 - Overfill - High Level Alarm  
K01 - Spill Prevention - Catch Basin

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCKAWAY SERVICE STATION INC. (Continued)**

**U004077561**

H05 - Tank Leak Detection - In-Tank System (ATG)  
J01 - Dispenser - Submersible

Install Date: 12/01/1982  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: 08/13/2013  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 08/13/2008  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 11/09/2010

Site ID: 17186

Tank Number: 002  
Tank ID: 33436  
Tank Status: In Service  
Tank Type: Steel/carbon steel  
Pipe Model: D

Equipment Records:

B07 - Tank External Protection - Retrofitted Sacrificial Anode  
I03 - Overfill - Automatic Shut-Off  
K01 - Spill Prevention - Catch Basin  
J01 - Dispenser - Submersible  
H05 - Tank Leak Detection - In-Tank System (ATG)  
A01 - Tank Internal Protection - Epoxy Liner  
D11 - Pipe Type - Flexible Piping  
F05 - Pipe External Protection - Jacketed  
G00 - Tank Secondary Containment - None  
L08 - Piping Leak Detection - Tank Top Sump  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
C02 - Pipe Location - Underground/On-ground  
I02 - Overfill - High Level Alarm

Install Date: 12/01/1982  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: 08/13/2013  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 08/13/2008  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 11/09/2010

Site ID: 17186

Tank Number: 003  
Tank ID: 94868  
Tank Status: In Service  
Tank Type: Fiberglass coated steel  
Pipe Model: D

Equipment Records:

B05 - Tank External Protection - Jacketed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ROCKAWAY SERVICE STATION INC. (Continued)

U004077561

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  
H05 - Tank Leak Detection - In-Tank System (ATG)  
D11 - Pipe Type - Flexible Piping  
F05 - Pipe External Protection - Jacketed  
L08 - Piping Leak Detection - Tank Top Sump  
K01 - Spill Prevention - Catch Basin  
B07 - Tank External Protection - Retrofitted Sacrificial Anode  
I03 - Overfill - Automatic Shut-Off  
A00 - Tank Internal Protection - None  
J01 - Dispenser - Submersible  
G04 - Tank Secondary Containment - Double-Walled (Underground)

Install Date: 04/01/1996  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Fiberglass coated steel  
Date Test: 05/07/2008  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 11/09/2010

Site ID: 17186

Tank Number: 003-A  
Tank ID: 94869  
Tank Status: Tank Converted to Non-Regulated Use  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
G00 - Tank Secondary Containment - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
I00 - Overfill - None  
C02 - Pipe Location - Underground/On-ground

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 07/01/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

H33  
South  
< 1/8  
0.116 mi.  
612 ft.

**DECORATIVE SHOWCASE CO**  
**100-02 ROCKAWAY BLVD**  
**OZONE PARK, NY 11417**

**HIST UST**    **U001832067**  
**N/A**

**Site 4 of 8 in cluster H**

**Relative:**  
**Higher**

HIST UST:

**Actual:**  
**47 ft.**

PBS Number: 2-086878  
SPDES Number: Not reported  
Emergency Contact: WILLIAM GOVAN DESEASED  
Emergency Telephone: (718) 848-8800  
Operator: WILLIAM GOVAN DESEASED  
Operator Telephone: (718) 848-8800  
Owner Name: HERB LEFKOWITZ  
Owner Address: 3206 WYNSUM AVE  
Owner City,St,Zip: MERRICK, NY 11566  
Owner Telephone: (516) 623-0639  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: HERB LEFKOWITZ  
Mailing Address: 3206 WYNSUM AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: MERRICK, NY 11566  
Mailing Contact: DECORATIVE SHOWCASE CO.  
Mailing Telephone: (516) 623-0639  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons)  
and Subpart 360-14.  
Facility Addr2: 100002 ROCKAWAY BLVD  
SWIS ID: 6301  
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: 02/18/1997  
Expiration Date: 03/24/2002  
Renew Flag: False  
Renewal Date: 20011113  
Total Capacity: 0  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 63  
Town or City: 01  
Region: 2  
  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place  
Install Date: Not reported  
Capacity (gals): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DECORATIVE SHOWCASE CO (Continued)**

**U001832067**

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: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 02/01/2000  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**H34**  
**South**  
**< 1/8**  
**0.116 mi.**  
**612 ft.**

**100-02 ROCKAWAY BLVD CORP**  
**100-02 ROCKAWAY BLVD**  
**OZONE PARK, NY 11417**

**UST U004076377**  
**N/A**

**Site 5 of 8 in cluster H**

**Relative:**  
**Higher**

UST:  
Facility Id: 2-086878  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 2015/06/27  
UTM X: 598059.9248699999  
UTM Y: 4503870.9855899997

**Actual:**  
**47 ft.**

Affiliation Records:  
Site Id: 2094  
Affiliation Type: Mail Contact  
Company Name: 100-02 ROCKAWAY BLVD CORP  
Contact Type: Not reported  
Contact Name: FRED KHALILI  
Address1: 109-14 97TH ST  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 827-8888  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/28/2010

Site Id: 2094  
Affiliation Type: On-Site Operator  
Company Name: 100-02 ROCKAWAY BLVD CORP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**100-02 ROCKAWAY BLVD CORP (Continued)**

**U004076377**

Contact Type: Not reported  
Contact Name: 100-02 ROCKAWAY BLVD CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 641-0859  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/28/2010

Site Id: 2094  
Affiliation Type: Emergency Contact  
Company Name: 100-02 ROCKAWAY BLVD CORP  
Contact Type: Not reported  
Contact Name: KALAM  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 827-8888  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: EJCALIFA  
Date Last Modified: 4/13/2006

Site Id: 2094  
Affiliation Type: Owner  
Company Name: 100-02 ROCKAWAY BLVD CORP  
Contact Type: PRESIDENT  
Contact Name: FRED KHALILI  
Address1: 100-02 ROCKAWAY BLVD  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 827-8888  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: EJCALIFA  
Date Last Modified: 4/13/2006

Tank Info:  
Site ID: 2094  
  
Tank Number: 001  
Tank ID: 3362  
Tank Status: Closed - In Place

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**100-02 ROCKAWAY BLVD CORP (Continued)**

**U004076377**

Tank Type: Steel/carbon steel  
Pipe Model: Not reported  
Equipment Records:  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
H00 - Tank Leak Detection - None  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/2000  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

**H35**  
**South**  
**< 1/8**  
**0.116 mi.**  
**612 ft.**

**100-02 ROCKAWAY BLVD CORP**  
**100-02 ROCKAWAY BLVD**  
**OZONE PARK, NY 11417**  
**Site 6 of 8 in cluster H**

**AST A100291209**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-086878  
Program Type: PBS  
UTM X: 598059.9248699999  
UTM Y: 4503870.9855899997  
Expiration Date: 2015/06/27

**Actual:**  
**47 ft.**

Affiliation Records:  
Site Id: 2094  
Affiliation Type: Mail Contact  
Company Name: 100-02 ROCKAWAY BLVD CORP  
Contact Type: Not reported  
Contact Name: FRED KHALILI  
Address1: 109-14 97TH ST  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 827-8888  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/28/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

100-02 ROCKAWAY BLVD CORP (Continued)

A100291209

Site Id: 2094  
Affiliation Type: On-Site Operator  
Company Name: 100-02 ROCKAWAY BLVD CORP  
Contact Type: Not reported  
Contact Name: 100-02 ROCKAWAY BLVD CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 641-0859  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/28/2010

Site Id: 2094  
Affiliation Type: Emergency Contact  
Company Name: 100-02 ROCKAWAY BLVD CORP  
Contact Type: Not reported  
Contact Name: KALAM  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 827-8888  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: EJCALIFA  
Date Last Modified: 4/13/2006

Site Id: 2094  
Affiliation Type: Owner  
Company Name: 100-02 ROCKAWAY BLVD CORP  
Contact Type: PRESIDENT  
Contact Name: FRED KHALILI  
Address1: 100-02 ROCKAWAY BLVD  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 827-8888  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: EJCALIFA  
Date Last Modified: 4/13/2006

Tank Info:

Tank Number: 002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**100-02 ROCKAWAY BLVD CORP (Continued)**

**A100291209**

Tank Id: 211075  
Equipment Records:  
A99 - Tank Internal Protection - Other  
B99 - Tank External Protection - Other  
K99 - Spill Prevention - Other  
D99 - Pipe Type - Other  
G99 - Tank Secondary Containment - Other  
Tank Location: 3  
Tank Type: Galvanized Steel Alloy  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/2000  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: EJCALIFA  
Last Modified: 04/13/2006

J36  
South  
< 1/8  
0.117 mi.  
618 ft.

**10115 ROCKAWAY BLVD  
OZONE PARK, NY 11417**  
**Site 1 of 3 in cluster J**

**EDR US Hist Auto Stat 1015126933  
N/A**

**Relative:  
Higher**

EDR Historical Auto Stations:  
Name: COLONY AUTO BODY  
Year: 1999  
Address: 10115 ROCKAWAY BLVD

**Actual:  
46 ft.**

Name: COLONY AUTO BODY  
Year: 2000  
Address: 10115 ROCKAWAY BLVD

Name: COLONY AUTO BODY  
Year: 2001  
Address: 10115 ROCKAWAY BLVD

Name: COLONY AUTO BODY  
Year: 2002  
Address: 10115 ROCKAWAY BLVD

Name: KLASIQUE AUTO BODY REPAIR INC  
Year: 2004  
Address: 10115 ROCKAWAY BLVD

Name: KLASIQUE AUTO BODY CARE INC  
Year: 2005  
Address: 10115 ROCKAWAY BLVD

Name: KLASIQUE AUTO BODY CARE INC  
Year: 2006  
Address: 10115 ROCKAWAY BLVD

Name: PARAMOUNT AUTO BODY REPAIR

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1015126933**

Year: 2007  
 Address: 10115 ROCKAWAY BLVD

Name: PARAMOUNT AUTO BODY REPAIR  
 Year: 2008  
 Address: 10115 ROCKAWAY BLVD

Name: NYCA AUTO BODY  
 Year: 2011  
 Address: 10115 ROCKAWAY BLVD

Name: NYCA AUTO BODY  
 Year: 2012  
 Address: 10115 ROCKAWAY BLVD

**I37**  
**WNW**  
**< 1/8**  
**0.117 mi.**  
**619 ft.**

**10357 100TH ST**  
**OZONE PARK, NY 11417**  
**Site 2 of 5 in cluster I**

**EDR US Hist Auto Stat 1015135205**  
**N/A**

**Relative:**  
**Lower**  
  
**Actual:**  
**34 ft.**

EDR Historical Auto Stations:

Name: OZONE PARK AUTO BODY INCORPORATED  
 Year: 2000  
 Address: 10357 100TH ST

Name: OZONE PARK AUTO BODY INC  
 Year: 2001  
 Address: 10357 100TH ST

Name: OZONE PARK AUTO BODY INC  
 Year: 2003  
 Address: 10357 100TH ST

Name: OZONE PARK AUTO BODY INC  
 Year: 2004  
 Address: 10357 100TH ST

Name: OZONE PARK AUTO BODY INC  
 Year: 2007  
 Address: 10357 100TH ST

**J38**  
**South**  
**< 1/8**  
**0.117 mi.**  
**620 ft.**

**10121 ROCKAWAY BLVD**  
**OZONE PARK, NY 11417**  
**Site 2 of 3 in cluster J**

**EDR US Hist Cleaners 1014968227**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**46 ft.**

EDR Historical Cleaners:

Name: COTTAGE LAUNDROMAT INC  
 Year: 2003  
 Address: 10121 ROCKAWAY BLVD

Name: COTTAGE LAUNDROMAT INC  
 Year: 2004  
 Address: 10121 ROCKAWAY BLVD

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1014968227**

Name: COTTAGE LAUNDROMAT INC  
 Year: 2005  
 Address: 10121 ROCKAWAY BLVD

Name: COTTAGE LAUNDROMAT INC  
 Year: 2006  
 Address: 10121 ROCKAWAY BLVD

Name: ROSE & TOMS LAUNDROMAT INC  
 Year: 2006  
 Address: 10121 ROCKAWAY BLVD

Name: COTTAGE LAUNDROMAT INC  
 Year: 2007  
 Address: 10121 ROCKAWAY BLVD

Name: COTTAGE LAUNDROMAT INC  
 Year: 2008  
 Address: 10121 ROCKAWAY BLVD

Name: COTTAGE LAUNDROMAT INC  
 Year: 2009  
 Address: 10121 ROCKAWAY BLVD

Name: COTTAGE LAUNDROMAT INC  
 Year: 2010  
 Address: 10121 ROCKAWAY BLVD

Name: COTTAGE LAUNDROMAT INCORPORATED  
 Year: 2011  
 Address: 10121 ROCKAWAY BLVD

Name: COTTAGE LAUNDROMAT INC  
 Year: 2012  
 Address: 10121 ROCKAWAY BLVD

**H39**  
**South**  
**< 1/8**  
**0.118 mi.**  
**624 ft.**

**JOHN ADAMS H S**  
**101-01 ROCKAWAY BLVD**  
**QNS, NY 11417**

**Site 7 of 8 in cluster H**

**AST U003394130**  
**HIST AST N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**46 ft.**

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-353027  
 Program Type: PBS  
 UTM X: 598133.22268000001  
 UTM Y: 4503869.8441899996  
 Expiration Date: 2013/06/28

Affiliation Records:  
 Site Id: 17496  
 Affiliation Type: Owner  
 Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION  
 Contact Type: Not reported  
 Contact Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOHN ADAMS H S (Continued)**

**U003394130**

Address1: 44-36 VERNON BOULEVARD  
Address2: Not reported  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5752  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/27/2012

Site Id: 17496  
Affiliation Type: Mail Contact  
Company Name: NYC DEPARTMENT OF EDUCATION  
Contact Type: Not reported  
Contact Name: MUNENDRA SHARMA  
Address1: FIELD OPERATIONS-FUEL DIVISION  
Address2: 44-36 VERNON BOULEVARD  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5752  
Phone Ext: Not reported  
Email: MSHARMA@SCHOOLS.NYC.GOV  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/27/2012

Site Id: 17496  
Affiliation Type: On-Site Operator  
Company Name: JOHN ADAMS H.S. (Q480)  
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: NRLOMBAR  
Date Last Modified: 8/2/2012

Site Id: 17496  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOHN ADAMS H S (Continued)**

**U003394130**

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: 12/27/2012

Tank Info:

Tank Number: 001  
Tank Id: 34284

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction  
K00 - Spill Prevention - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
L00 - Piping Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1966  
Capacity Gallons: 20000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/02/2012

Tank Number: 002  
Tank Id: 34285

Equipment Records:

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  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOHN ADAMS H S (Continued)**

**U003394130**

L00 - Piping Leak Detection - None  
3  
Tank Location:  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1966  
Capacity Gallons: 20000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/02/2012

**HIST AST:**

PBS Number: 2-353027  
SWIS Code: 6301  
Operator: PLANT OPERATION  
Facility Phone: (718) 391-6000  
Facility Addr2: 101001 ROCKAWAY BLVD  
Facility Type: SCHOOL  
Emergency: SCHOOL SAFETY  
Emergency Tel: (212) 979-3300  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: CITY OF NEW YORK CITY BOARD OF EDUCATION  
Owner Address: 28-11 QUEENS PLAZA NORTH  
Owner City,St,Zip: LONG ISLAND CITY, NY 11101  
Federal ID: Not reported  
Owner Tel: (718) 391-6832  
Owner Type: Local Government  
Owner Subtype: Not reported  
Mailing Contact: FRANK CORDELLO NTROL  
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 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.  
Certification Flag: False  
Certification Date: 08/27/1998  
Expiration: 06/28/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 40000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOHN ADAMS H S (Continued)**

**U003394130**

Town or City: NEW YORK CITY  
County Code: 63  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 20000  
Product Stored: NOS 5 OR 6 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  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: 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: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Tank ID: 002  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 20000  
Product Stored: NOS 5 OR 6 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  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: 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: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOHN ADAMS H S (Continued)**

**U003394130**

SPDES Number: Not reported  
Lat/Long: Not reported

**H40**  
**South**  
**< 1/8**  
**0.118 mi.**  
**624 ft.**

**NYC BD OF ED - JOHN ADAMS HS Q**  
**101-01 ROCKAWAY BLVD**  
**OZONE PARK, NY 11417**

**RCRA-CESQG** **1005444342**  
**MANIFEST** **NYR000106633**

**Site 8 of 8 in cluster H**

**Relative:**  
**Higher**

RCRA-CESQG:

**Actual:**  
**46 ft.**

Date form received by agency: 01/01/2007  
Facility name: NYC BD OF ED - JOHN ADAMS HS Q  
Facility address: 101-01 ROCKAWAY BLVD  
OZONE PARK, NY 11417  
EPA ID: NYR000106633  
Mailing address: QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
Contact: BERNARD ORLAN  
Contact address: QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
Contact country: US  
Contact telephone: (718) 391-6475  
Contact email: Not reported  
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 BOARD OF EDUCATION  
Owner/operator address: 2811 QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
Owner/operator country: US  
Owner/operator telephone: (718) 391-6475  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2001  
Owner/Op end date: Not reported

Owner/operator name: NYC BOARD OF EDUCATION  
Owner/operator address: 2811 QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
Owner/operator country: US  
Owner/operator telephone: (718) 391-6475  
Legal status: Municipal

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - JOHN ADAMS HS Q (Continued)**

**1005444342**

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: NYC BD OF ED - JOHN ADAMS HS Q  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/29/2002  
Facility name: NYC BD OF ED - JOHN ADAMS HS Q  
Classification: Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYR000106633  
Country: USA  
Mailing Name: JOHN ADAMS HIGH SCHOOL  
Mailing Contact: PAT RICIA SNELL  
Mailing Address: 101 01 ROCKAWAY BLVD  
Mailing Address 2: Not reported  
Mailing City: OZONE PARK  
Mailing State: NY  
Mailing Zip: 11417  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 718-322-0500

Document ID: NYG3493485  
Manifest Status: Not reported  
Trans1 State ID: NYD077444263  
Trans2 State ID: Not reported  
Generator Ship Date: 09/04/2002  
Trans1 Recv Date: 09/04/2002  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/05/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - JOHN ADAMS HS Q (Continued)**

**1005444342**

Generator EPA ID: NYR000106633  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: PD1010NY  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00005  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00002  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00003  
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  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00009  
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: 2002

Document ID: NYG3493503  
Manifest Status: Not reported  
Trans1 State ID: NYD077444263  
Trans2 State ID: Not reported  
Generator Ship Date: 09/04/2002  
Trans1 Recv Date: 09/04/2002  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/05/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000106633  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: PD1010NY  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00001  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: U135 - HYDROGEN SULFIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - JOHN ADAMS HS Q (Continued)**

**1005444342**

Quantity: 00006  
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  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00006  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00006  
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: 2002

Document ID: NYG3493512  
Manifest Status: Not reported  
Trans1 State ID: NYD077444263  
Trans2 State ID: Not reported  
Generator Ship Date: 09/04/2002  
Trans1 Recv Date: 09/04/2002  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/05/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000106633  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: PD1010NY  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00001  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Waste Code: U188 - PHENOL  
Quantity: 00012  
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  
Waste Code: D003 - NON-LISTED REACTIVE WASTES  
Quantity: 00003  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - JOHN ADAMS HS Q (Continued)**

**1005444342**

Specific Gravity: 01.00  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00001  
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: 2002

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: MAD985286988  
Trans2 State ID: Not reported  
Generator Ship Date: 2010-05-17  
Trans1 Recv Date: 2010-05-17  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 2010-05-25  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000106633  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 80.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2010  
Manifest Tracking Num: 002483368FLE  
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

Document ID: NYG2710503  
Manifest Status: Not reported  
Trans1 State ID: NYD049178296  
Trans2 State ID: Not reported  
Generator Ship Date: 12/10/2003  
Trans1 Recv Date: 12/10/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/11/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - JOHN ADAMS HS Q (Continued)**

**1005444342**

Generator EPA ID: NYR000106633  
Trans1 EPA ID: NYD049178296  
Trans2 EPA ID: Not reported  
TSDF ID: 45347PANY  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00140  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00010  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2003

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: MAD985286988  
Trans2 State ID: Not reported  
Generator Ship Date: 2011-08-09  
Trans1 Recv Date: 2011-08-09  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 2011-08-15  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000106633  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: NYD077444263  
Waste Code: Not reported  
Quantity: 92.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 002489882FLE  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

I41  
WNW  
< 1/8  
0.121 mi.  
638 ft.

10354 100TH ST  
OZONE PARK, NY 11417

Site 3 of 5 in cluster I

EDR US Hist Auto Stat 1015135183  
N/A

Relative:  
Lower

EDR Historical Auto Stations:

Name: MIKES AUTO REPAIRS  
Year: 2002  
Address: 10354 100TH ST

Actual:  
34 ft.

Name: MIKES AUTO REPAIRS  
Year: 2003  
Address: 10354 100TH ST

Name: MIKES AUTO REPAIRS  
Year: 2004  
Address: 10354 100TH ST

Name: MIKES AUTO REPAIRS  
Year: 2006  
Address: 10354 100TH ST

Name: MIKES AUTO REPAIRS  
Year: 2007  
Address: 10354 100TH ST

Name: MIKES AUTOMOBILE REPAIRS  
Year: 2011  
Address: 10354 100TH ST

J42  
South  
< 1/8  
0.123 mi.  
649 ft.

107-62 101TH STREET  
107-62 101TH STREET  
OZONE PARK, NY

Site 3 of 3 in cluster J

NY Spills S102147570  
NY Hist Spills N/A

Relative:  
Higher

SPILLS:

Facility ID: 9312172  
DER Facility ID: 89001  
Facility Type: ER  
Site ID: 100200  
DEC Region: 2  
Spill Number: 9312172  
Spill Date: 1/15/1994  
Spill Cause: Abandoned Drums  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Actual:  
47 ft.

Spill Closed Date: 1/15/1994  
SWIS: 4101  
Investigator: O'DOWD  
Referred To: Not reported  
Reported to Dept: 1/15/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: 1/15/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

107-62 101TH STREET (Continued)

S102147570

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/20/1994  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: UNK  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*UPDATE\*\*\*, ZZ  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: ABANDONED ORANGE CONTAINER HAS WARNING ASBESTOS PLACAND - NO ACTIONS  
TAKEN WANTS A CALL BACK. SPOKE TO PUTNAM HE LEFT MESSAGE ON ECO  
MACHINE. 2005/PM SPOKE TO CALLER & REFERRED HIM TO DEP HOTLINE / SA

Material:

Site ID: 100200  
Operable Unit ID: 994195  
Operable Unit: 01  
Material ID: 570160  
Material Code: 0026A  
Material Name: ASBESTOS  
Case No.: 01332214  
Material FA: Hazardous Material  
Quantity: 0  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 100200  
Operable Unit ID: 994195  
Operable Unit: 01  
Material ID: 570159  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

107-62 101TH STREET (Continued)

S102147570

NY Hist Spills:

Region of Spill: 2  
Spill Number: 9312172  
Investigator: O'DOWD  
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: 01/15/1994 12:00  
Reported to Dept Date/Time: 01/15/94 19:23  
SWIS: 63  
Spiller Name: UNK  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spill Cause: Abandoned Drums  
Reported to Dept: On Land  
Water Affected: Not reported  
Spill Source: 12  
Spill Notifier: Affected Persons  
PBS Number: Not reported  
Cleanup Ceased: 01/15/94  
Cleanup Meets Std: True  
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: 01/15/94  
Corrective Action Plan Submitted: / /  
Date Region Sent Summary to Central Office: / /  
Date Spill Entered In Computer Data File: 01/20/94  
Date Spill Entered In Computer Data File: Not reported  
Update Date: / /  
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: False  
Units: Not reported  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: UNKNOWN PETROLEUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

107-62 101TH STREET (Continued)

S102147570

Class Type: UNKNOWN PETROLEUM  
Times Material Entry In File: 16414  
CAS Number: Not reported  
Last Date: 19940929  
Material Class Type: Nonpetroleum/Nonhazardous  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: False  
Units: Not reported  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: ASBESTOS  
Class Type: ASBESTOS  
Times Material Entry In File: 0  
CAS Number: 01332214  
Last Date: Not reported  
DEC Remarks: Not reported  
Remark: ABANDONED ORANGE CONTAINER HAS WARNING ASBESTOS PLACAND - NO ACTIONS TAKEN  
WANTS A CALL BACK. SPOKE TO PUTNAM HE LEFT MESSAGE ON ECO MACHINE. 2005/PM  
SPOKE TO CALLER REFERRED HIM TO DEP HOTLINE / SA

K43  
NW  
1/8-1/4  
0.128 mi.  
674 ft.

10332 101ST ST  
OZONE PARK, NY 11417

EDR US Hist Auto Stat 1015134813  
N/A

Site 1 of 2 in cluster K

Relative:  
Lower  
Actual:  
34 ft.

EDR Historical Auto Stations:  
Name: RELIABLE AUTO CENTER INC  
Year: 2005  
Address: 10332 101ST ST  
  
Name: RELIABLE AUTO CENTER INC  
Year: 2006  
Address: 10332 101ST ST  
  
Name: RELIABLE AUTO CENTER INC  
Year: 2007  
Address: 10332 101ST ST  
  
Name: RELIABLE AUTO CTR  
Year: 2010  
Address: 10332 101ST ST  
  
Name: RELIABLE AUTO CENTER  
Year: 2011  
Address: 10332 101ST ST  
  
Name: RELIABLE AUTO CENTER  
Year: 2012  
Address: 10332 101ST ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K44**  
**NW**  
**1/8-1/4**  
**0.128 mi.**  
**678 ft.**

**MAIN LINE AUTO COLLISION INC**  
**103-32 101ST ST**  
**OZONE PARK, NY 11417**

**RCRA NonGen / NLR** **1000552699**  
**FINDS** **NYD986951044**

**Site 2 of 2 in cluster K**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007

Facility name: MAIN LINE AUTO COLLISION INC

Facility address: 103-32 101ST ST  
OZONE PARK, NY 114171708

EPA ID: NYD986951044

Mailing address: 101ST ST  
OZONE PARK, NY 11417

Contact: Not reported

Contact address: 101ST ST  
OZONE PARK, NY 11417

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: JOSEPH DUAZAK  
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

Owner/operator name: JOSEPH DUAZAK  
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

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MAIN LINE AUTO COLLISION INC (Continued)**

**1000552699**

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: MAIN LINE AUTO COLLISION INC  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Facility name: MAIN LINE AUTO COLLISION INC  
Classification: Not a generator, verified

Date form received by agency: 04/29/1991  
Facility name: MAIN LINE AUTO COLLISION INC  
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004465999

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.

I45  
WNW  
1/8-1/4  
0.133 mi.  
701 ft.

10343 100TH ST  
OZONE PARK, NY 11417

Site 4 of 5 in cluster I

EDR US Hist Auto Stat 1015134976  
N/A

Relative:  
Lower

EDR Historical Auto Stations:

Name: 3 KINGS COLLISION INCORPORATED  
Year: 1999  
Address: 10343 100TH ST

Actual:  
34 ft.

Name: 3 KINGS COLLISION INCORPORATED  
Year: 2000  
Address: 10343 100TH ST

Name: 3 KINGS COLLISION INC  
Year: 2004  
Address: 10343 100TH ST

Name: 3 KINGS COLLISION INC  
Year: 2005  
Address: 10343 100TH ST

Name: 3 KINGS COLLISION INC  
Year: 2006  
Address: 10343 100TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015134976

Name: 3 KINGS COLLISION INC  
Year: 2008  
Address: 10343 100TH ST

Name: 3 KINGS COLLISION INC  
Year: 2009  
Address: 10343 100TH ST

Name: 3 KINGS COLLISION INC  
Year: 2010  
Address: 10343 100TH ST

Name: KINGS COLLISION INC  
Year: 2011  
Address: 10343 100TH ST

Name: KINGS COLLISION INC  
Year: 2012  
Address: 10343 100TH ST

146  
WNW  
1/8-1/4  
0.134 mi.  
707 ft.

10342 100TH ST  
OZONE PARK, NY 11417

Site 5 of 5 in cluster I

EDR US Hist Auto Stat 1015134964  
N/A

Relative:  
Higher

EDR Historical Auto Stations:

Name: RAYS AUTO SERVICE  
Year: 1999  
Address: 10342 100TH ST

Actual:  
35 ft.

Name: RAYS AUTO SERVICE  
Year: 2000  
Address: 10342 100TH ST

47  
ENE  
1/8-1/4  
0.144 mi.  
761 ft.

10508 LIBERTY AVE  
OZONE PARK, NY 11417

EDR US Hist Auto Stat 1015140157  
N/A

Relative:  
Higher

EDR Historical Auto Stations:

Name: LIC CAR SERVICE CORP  
Year: 2004  
Address: 10508 LIBERTY AVE

Actual:  
39 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

L48  
NE  
1/8-1/4  
0.149 mi.  
785 ft.

10354 105TH ST  
OZONE PARK, NY 11417

Site 1 of 2 in cluster L

EDR US Hist Cleaners 1014970069  
N/A

Relative:  
Higher

EDR Historical Cleaners:  
Name: SUNNY SUPER SUDS INC  
Year: 2004  
Address: 10354 105TH ST

Actual:  
39 ft.

M49  
SW  
1/8-1/4  
0.150 mi.  
790 ft.

9821 ROCKAWAY BLVD  
OZONE PARK, NY 11417

Site 1 of 7 in cluster M

EDR US Hist Auto Stat 1015688487  
N/A

Relative:  
Lower

EDR Historical Auto Stations:  
Name: A & S CAR WASH INC  
Year: 2011  
Address: 9821 ROCKAWAY BLVD

Actual:  
34 ft.

Name: A & S CAR WASH INC  
Year: 2012  
Address: 9821 ROCKAWAY BLVD

M50  
SW  
1/8-1/4  
0.151 mi.  
795 ft.

GETTY PETROLEUM CORP  
98-21 ROCKAWAY BLVD  
OZONE PARK, NY 11417

Site 2 of 7 in cluster M

RCRA NonGen / NLR 1001119392  
FINDS NYR000026799

Relative:  
Lower

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: GETTY PETROLEUM CORP  
Facility address: 98-21 ROCKAWAY BLVD  
OZONE PARK, NY 114171616  
EPA ID: NYR000026799  
Mailing address: JERICHO TNP  
JERICHO, NY 11753  
Contact: Not reported  
Contact address: JERICHO TNP  
JERICHO, NY 11753  
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

Actual:  
34 ft.

Owner/Operator Summary:  
Owner/operator name: GETTY PETROLEUM CORP  
Owner/operator address: 125 JERICHO TNP  
JERICHO, NY 11753  
Owner/operator country: US  
Owner/operator telephone: (516) 286-2600  
Legal status: Private  
Owner/Operator Type: Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY PETROLEUM CORP (Continued)**

**1001119392**

Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: GETTY PETROLEUM CORP  
Owner/operator address: 125 JERICHO TNPK  
JERICHO, NY 11753

Owner/operator country: US  
Owner/operator telephone: (516) 286-2600  
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  
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: GETTY PETROLEUM CORP  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Facility name: GETTY PETROLEUM CORP  
Classification: Not a generator, verified

Date form received by agency: 07/17/1996  
Facility name: GETTY PETROLEUM CORP  
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110009485299

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.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**M51**  
**SW**  
**1/8-1/4**  
**0.151 mi.**  
**795 ft.**

**GETTY S/S #16**  
**98-21 ROCKAWAY BOULEVARD**  
**OZONE PARK, NY 11417**

**Site 3 of 7 in cluster M**

**HIST UST**    **U000407468**  
**AST**        **N/A**  
**HIST AST**

**Relative:**  
**Lower**

HIST UST:

**Actual:**  
**34 ft.**

PBS Number: 2-326291  
 SPDES Number: Not reported  
 Emergency Contact: LUIS OCHOTORENA  
 Emergency Telephone: (718) 729-6500  
 Operator: A&S CAR WASH, INC  
 Operator Telephone: (718) 641-8260  
 Owner Name: GETTY PETROLEUM MARKETING, INC.  
 Owner Address: 125 JERICHO TURNPIKE  
 Owner City,St,Zip: JERICHO, NY 11753  
 Owner Telephone: (718) 729-6500  
 Owner Type: Corporate/Commercial  
 Owner Subtype: Not reported  
 Mailing Name: CATAPANO ENGINEERING, PC  
 Mailing Address: 125 BAYLIS ROAD  
 Mailing Address 2: SUITE 330  
 Mailing City,St,Zip: MELVILLE, NY 11747  
 Mailing Contact: JOHN V. CATAPANO, PE  
 Mailing Telephone: (631) 694-9696  
 Owner Mark: Second 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: 98021 ROCKAWAY BLVD  
 SWIS ID: 6301  
 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: 11/24/2000  
 Expiration Date: 03/23/2004  
 Renew Flag: False  
 Renewal Date: Not reported  
 Total Capacity: 16240  
 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: 63  
 Town or City: 01  
 Region: 2  
 Tank Id: 001  
 Tank Location: UNDERGROUND  
 Tank Status: Closed-Removed  
 Install Date: 19761001  
 Capacity (gals): 2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Product Stored: UNLEADED GASOLINE  
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: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 002  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 003  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 004  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 005  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 006  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 007  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 008  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 009  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 010  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 011  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 012  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: 09/01/1993  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1996  
Test Method: Unknown  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 013  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19660701  
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: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
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: 06/01/1996  
Test Method: Not reported  
Deleted: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Updated: True  
Lat/long: Not reported

Tank Id: 013  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: 19960801  
Capacity (gals): 4000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Fiberglass reinforced plastic [FRP]  
Tank Internal: Fiberglass Liner (FRP)  
Tank External: 45  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: Fiberglass Liner (FRP)  
Pipe External: 45  
Second Containment: Vault (w/access)  
Leak Detection: 14  
Overfill Prot: Float Vent Valve, Catch Basin  
Dispenser: Submersible  
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: 014  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: 19960801  
Capacity (gals): 4000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Fiberglass reinforced plastic [FRP]  
Tank Internal: Fiberglass Liner (FRP)  
Tank External: 45  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: Fiberglass Liner (FRP)  
Pipe External: 45  
Second Containment: Vault (w/access)  
Leak Detection: 14  
Overfill Prot: Float Vent Valve, Catch Basin  
Dispenser: Submersible  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Tank Id: 015  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: 19960801  
Capacity (gals): 4000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Fiberglass reinforced plastic [FRP]  
Tank Internal: Fiberglass Liner (FRP)  
Tank External: 45  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: Fiberglass Liner (FRP)  
Pipe External: 45  
Second Containment: Vault (w/access)  
Leak Detection: 14  
Overfill Prot: Float Vent Valve, Catch Basin  
Dispenser: Submersible  
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: 016  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: 19960801  
Capacity (gals): 4000  
Product Stored: DIESEL  
Tank Type: Fiberglass reinforced plastic [FRP]  
Tank Internal: Fiberglass Liner (FRP)  
Tank External: 45  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: Fiberglass Liner (FRP)  
Pipe External: 45  
Second Containment: Vault (w/access)  
Leak Detection: 14  
Overfill Prot: Float Vent Valve, Catch Basin  
Dispenser: Submersible  
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

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Facility Id: 2-326291  
Program Type: PBS  
UTM X: 597906.5155899997  
UTM Y: 4503909.2641899996  
Expiration Date: 2014/03/23

**Affiliation Records:**

Site Id: 15197  
Affiliation Type: Owner  
Company Name: GETTY PETROLEUM MARKETING, INC.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 1500 HEMPSTEAD TURN,PIKE  
Address2: Not reported  
City: EAST MEADOW  
State: NY  
Zip Code: 11554  
Country Code: 001  
Phone: (516) 542-4900  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/23/2010

Site Id: 15197  
Affiliation Type: Mail Contact  
Company Name: GETTY PETROLEUM MARKETING, INC.  
Contact Type: AUTHORIZED SIGNATURE FOR CLIENT  
Contact Name: SCOTT HANLEY  
Address1: 1500 HEMPSTEAD TURNPIKE  
Address2: Not reported  
City: EAST MEADOW  
State: NY  
Zip Code: 11554  
Country Code: 001  
Phone: (516) 542-4900  
Phone Ext: Not reported  
Email: SHANLEY@GETTY.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/4/2012

Site Id: 15197  
Affiliation Type: On-Site Operator  
Company Name: GETTY S/S #16  
Contact Type: Not reported  
Contact Name: A&S CAR CLEAN LLC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 641-8260  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Modified By: NRLOMBAR  
Date Last Modified: 4/23/2010  
  
Site Id: 15197  
Affiliation Type: Emergency Contact  
Company Name: GETTY PETROLEUM MARKETING, INC.  
Contact Type: Not reported  
Contact Name: SCOTT HANLEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 324-5110  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 2/3/2012

Tank Info:

Tank Number: 017  
Tank Id: 51257

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)  
K00 - Spill Prevention - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
I05 - Overfill - Vent Whistle  
L00 - Piping Leak Detection - 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

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 06/01/1996  
Capacity Gallons: 240  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/12/2007  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/15/2007

Tank Number: 018  
Tank Id: 51258

Equipment Records:

A00 - Tank Internal Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

D01 - Pipe Type - Steel/Carbon Steel/Iron  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
I05 - Overfill - Vent Whistle  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 06/01/1996  
Capacity Gallons: 180  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/12/2007  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/15/2007

**HIST AST:**

PBS Number: 2-326291  
SWIS Code: 6301  
Operator: A&S CAR WASH, INC  
Facility Phone: (718) 641-8260  
Facility Addr2: 98021 ROCKAWAY BLVD  
Facility Type: RETAIL GASOLINE SALES  
Emergency: LUIS OCHOTORENA  
Emergency Tel: (718) 729-6500  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: GETTY PETROLEUM MARKETING, INC.  
Owner Address: 125 JERICO TURNPIKE  
Owner City,St,Zip: JERICO, NY 11753  
Federal ID: Not reported  
Owner Tel: (718) 729-6500  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: JOHN V. CATAPANO, PE  
Mailing Name: CATAPANO ENGINEERING, PC  
Mailing Address: 125 BAYLIS ROAD  
Mailing Address 2: SUITE 330  
Mailing City,St,Zip: MELVILLE, NY 11747  
Mailing Telephone: (631) 694-9696  
Owner Mark: Second 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.  
Certification Flag: False  
Certification Date: 11/24/2000  
Expiration: 03/23/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 16240  
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: 63  
Town or City Code: 01  
Region: 2

Tank ID: 017  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: 19960601  
Capacity (Gal): 240  
Product Stored: USED OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 01  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: Vault (w/access)  
Leak Detection: 00  
Overfill Protection: 06  
Dispenser Method: 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  
SPDES Number: Not reported  
Lat/Long: Not reported

Tank ID: 018  
Tank Location: ABOVEGROUND  
Tank Status: Tank Converted To Non-Regulated Use  
Install Date: 19960601  
Capacity (Gal): 180  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 01  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: Vault (w/access)  
Leak Detection: 00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U000407468**

Overfill Protection: 06  
Dispenser Method: 0  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 08/01/1996  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**M52  
SW  
1/8-1/4  
0.151 mi.  
795 ft.**

**GETTY S/S #16  
98-21 ROCKAWAY BOULEVARD  
OZONE PARK, NY 11417**

**UST U004062918  
N/A**

**Site 4 of 7 in cluster M**

**Relative:  
Lower**

UST:

Facility Id: 2-326291  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 2014/03/23  
UTM X: 597906.5155899997  
UTM Y: 4503909.2641899996

**Actual:  
34 ft.**

Affiliation Records:

Site Id: 15197  
Affiliation Type: Owner  
Company Name: GETTY PETROLEUM MARKETING, INC.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 1500 HEMPSTEAD TURN,PIKE  
Address2: Not reported  
City: EAST MEADOW  
State: NY  
Zip Code: 11554  
Country Code: 001  
Phone: (516) 542-4900  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/23/2010

Site Id: 15197  
Affiliation Type: Mail Contact  
Company Name: GETTY PETROLEUM MARKETING, INC.  
Contact Type: AUTHORIZED SIGNATURE FOR CLIENT  
Contact Name: SCOTT HANLEY  
Address1: 1500 HEMPSTEAD TURNPIKE  
Address2: Not reported  
City: EAST MEADOW  
State: NY  
Zip Code: 11554  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U004062918**

Phone: (516) 542-4900  
Phone Ext: Not reported  
Email: SHANLEY@GETTY.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/4/2012

Site Id: 15197  
Affiliation Type: On-Site Operator  
Company Name: GETTY S/S #16  
Contact Type: Not reported  
Contact Name: A&S CAR CLEAN LLC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 641-8260  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/23/2010

Site Id: 15197  
Affiliation Type: Emergency Contact  
Company Name: GETTY PETROLEUM MARKETING, INC.  
Contact Type: Not reported  
Contact Name: SCOTT HANLEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 324-5110  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 2/3/2012

Tank Info:  
Site ID: 15197

Tank Number: 001  
Tank ID: 26488  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U004062918**

F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 10/01/1976  
Capacity Gallons: 2000  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 002  
Tank ID: 26489  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 003  
Tank ID: 26490  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GETTY S/S #16 (Continued)

U004062918

F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 004  
Tank ID: 26491  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 005  
Tank ID: 26492  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GETTY S/S #16 (Continued)

U004062918

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 006  
Tank ID: 26493  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 007  
Tank ID: 26494  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U004062918**

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 008  
Tank ID: 26495  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 009  
Tank ID: 26496  
Tank Status: Closed - Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U004062918**

Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 010  
Tank ID: 26497  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U004062918**

Tank ID: 26498  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 012  
Tank ID: 26499  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: 00  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 09/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U004062918**

Tank Number: 013  
Tank ID: 170087  
Tank Status: In Service  
Tank Type: Equivalent technology  
Pipe Model: Not reported

Equipment Records:

- F05 - Pipe External Protection - Jacketed
- H99 - Tank Leak Detection - Other
- L08 - Piping Leak Detection - Tank Top Sump
- C02 - Pipe Location - Underground/On-ground
- H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
- I02 - Overfill - High Level Alarm
- A00 - Tank Internal Protection - None
- J01 - Dispenser - Submersible
- I01 - Overfill - Float Vent Valve
- F04 - Pipe External Protection - Fiberglass
- K01 - Spill Prevention - Catch Basin
- D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
- G04 - Tank Secondary Containment - Double-Walled (Underground)
- L07 - Piping Leak Detection - Pressurized Piping Leak Detector
- B05 - Tank External Protection - Jacketed
- E04 - Piping Secondary Containment - Double-Walled (Underground)
- B04 - Tank External Protection - Fiberglass

Install Date: 08/01/1996  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Equivalent technology  
Date Test: 06/09/2009  
Registered: True  
Modified By: BKFALVEY  
Last Modified: 12/22/2009

Site ID: 15197

Tank Number: 013-A  
Tank ID: 170783  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

- G03 - Tank Secondary Containment - Vault (w/o access)
- A00 - Tank Internal Protection - None
- D02 - Pipe Type - Galvanized Steel
- J02 - Dispenser - Suction
- H00 - Tank Leak Detection - None
- C00 - Pipe Location - No Piping
- F00 - Pipe External Protection - None
- B00 - Tank External Protection - None
- I00 - Overfill - None

Install Date: 07/01/1966  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U004062918**

Date Tank Closed: 06/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 15197

Tank Number: 014  
Tank ID: 51259  
Tank Status: In Service  
Tank Type: Equivalent technology  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
L07 - Piping Leak Detection - Pressurized Piping Leak Detector  
I01 - Overfill - Float Vent Valve  
F05 - Pipe External Protection - Jacketed  
H99 - Tank Leak Detection - Other  
L08 - Piping Leak Detection - Tank Top Sump  
B05 - Tank External Protection - Jacketed  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
F04 - Pipe External Protection - Fiberglass  
K01 - Spill Prevention - Catch Basin  
A00 - Tank Internal Protection - None  
J01 - Dispenser - Submersible  
B04 - Tank External Protection - Fiberglass

Install Date: 08/01/1996  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Equivalent technology  
Date Test: 06/09/2009  
Registered: True  
Modified By: BKFALVEY  
Last Modified: 12/22/2009

Site ID: 15197

Tank Number: 015  
Tank ID: 51260  
Tank Status: In Service  
Tank Type: Equivalent technology  
Pipe Model: Not reported

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
L07 - Piping Leak Detection - Pressurized Piping Leak Detector

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GETTY S/S #16 (Continued)

U004062918

B05 - Tank External Protection - Jacketed  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
A00 - Tank Internal Protection - None  
J01 - Dispenser - Submersible  
F05 - Pipe External Protection - Jacketed  
H99 - Tank Leak Detection - Other  
L08 - Piping Leak Detection - Tank Top Sump  
F04 - Pipe External Protection - Fiberglass  
K01 - Spill Prevention - Catch Basin  
C02 - Pipe Location - Underground/On-ground  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
I01 - Overfill - Float Vent Valve  
B04 - Tank External Protection - Fiberglass

Install Date: 08/01/1996  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Equivalent technology  
Date Test: 06/09/2009  
Registered: True  
Modified By: BKFALVEY  
Last Modified: 12/22/2009

Site ID: 15197

Tank Number: 016  
Tank ID: 51261  
Tank Status: In Service  
Tank Type: Equivalent technology  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
F04 - Pipe External Protection - Fiberglass  
K01 - Spill Prevention - Catch Basin  
A00 - Tank Internal Protection - None  
J01 - Dispenser - Submersible  
I01 - Overfill - Float Vent Valve  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
L07 - Piping Leak Detection - Pressurized Piping Leak Detector  
B05 - Tank External Protection - Jacketed  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
F05 - Pipe External Protection - Jacketed  
H99 - Tank Leak Detection - Other  
L08 - Piping Leak Detection - Tank Top Sump  
B04 - Tank External Protection - Fiberglass

Install Date: 08/01/1996  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 (Continued)**

**U004062918**

Tank Type: Equivalent technology  
Date Test: 06/09/2009  
Registered: True  
Modified By: BKFALVEY  
Last Modified: 12/22/2009

**M53  
SW  
1/8-1/4  
0.151 mi.  
795 ft.**

**GETTY S/S #16 - GETTY PROPERTIES  
98-21 ROCKAWAY BLVD  
OZONE PARK, NY**

**MANIFEST S107521781  
NY Spills N/A**

**Site 5 of 7 in cluster M**

**Relative:  
Lower**

NY MANIFEST:  
EPA ID: NYR000026799  
Country: USA  
Mailing Name: GETTY PETROLEUM CORP  
Mailing Contact: STEVE GORDON  
Mailing Address: 98-21 ROCKAWAY BOULEVARD  
Mailing Address 2: Not reported  
Mailing City: OZONE PARK  
Mailing State: NY  
Mailing Zip: 11416  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 999-999-9999

**Actual:  
34 ft.**

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID: 0707050  
DER Facility ID: 307793  
Facility Type: ER  
Site ID: 387672  
DEC Region: 2  
Spill Number: 0707050  
Spill Date: 9/26/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Date: 6/30/2008  
SWIS: 4101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 9/26/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: True  
Remediation Phase: 0  
Date Entered In Computer: 9/26/2007  
Spill Record Last Update: 6/30/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 - GETTY PROPERTIES (Continued)**

**S107521781**

Spiller Name: MIKE CARR\  
Spiller Company: GETTY#16  
Spiller Address: 98-21 ROCKAWAY  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller Company: 001  
Contact Name: MIKE CARR\  
Contact Phone: (518) 369-7822 CELL  
DEC Memo: Tyree report shows Metro Environmental tested the lines/dispenser no leaks. Dispenser fueling hose repaired. No spill -  
Remarks: DISPENSER SHUT DOWN PENDING LINE TEST

Material:  
Site ID: 387672  
Operable Unit ID: 1144873  
Operable Unit: 01  
Material ID: 2135186  
Material Code: 0009  
Material Name: Gasoline  
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

Facility ID: 9604124  
DER Facility ID: 152679  
Facility Type: ER  
Site ID: 182101  
DEC Region: 2  
Spill Number: 9604124  
Spill Date: 6/26/1996  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Date: Not Closed  
SWIS: 4101  
Investigator: KGHale  
Referred To: MONTHLY EFR ON W-7  
Reported to Dept: 6/26/1996  
CID: 349  
Water Affected: Not reported  
Spill Source: Gasoline Station

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 - GETTY PROPERTIES (Continued)**

**S107521781**

Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: True  
Remediation Phase: 5  
Date Entered In Computer: 6/26/1996  
Spill Record Last Update: 2/8/2012  
Spiller Name: JOE PIZEL  
Spiller Company: GETTY GAS STATION  
Spiller Address: 98-21 ROCKAWAY BLVD  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller Company: 001  
Contact Name: JOE PIZEL  
Contact Phone: (516) 249-3150 280  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"3/14/03 REASSIGNED FROM ROMMEL TO VOUGHT. 3/17/07-Vought-File review by Vought:Tank Closure Report (Tyree Org)-August 1997. UST removal performed as part of a service station upgrade. Site consists of a convenience store with car wash. Two pump islands located adjacent to Rockaway Blvd. "The surrounding area consists primarily of retail/commercial spaces located along Rockaway Blvd". Tyree removed sixteen USTs from three separate excavations. One (2000-gallon) UST was abandoned in place due to proximity to municipal sewer line and Tyree performed four soil borings around this tank. Approximately 810 tons of soil were removed from the site. Tank upgrade included the installation of four (4000-gallon) gasoline USTs which were placed in an existing tank excavation and SVE wells were installed surrounding the new USTs and "if warranted these wells can be utilized in an active vapor extraction system in the future. Five endpoint samples were collected from each of the three excavations. Soil analyticals show 1840ppb xylene(Excavation C Sample #2 7.0'bg) and 6050ppb 1,3,5-trimethylbenzene(Excavation C Sample #2 7.0'bg). Groundwater analyticals show 127ppb MTBE(2,000 gallon tank abandonment Sample #3 Bor 1).Letter from DEC(O'Dowd) to Getty(Ochotorena)-4/16/98. Letter sent requiring "conduct an adequate subsurface investigation to delineate the full extent of gasoline contamination on-site and off-site" with the results due to the DEC by 7/31/98.Quarterly Monitoring Report (Tyree Org) July 1998 thru Jan 1999. Four monitoring wells onsite. Groundwater at depth of 26-27' and regional flow direction "is expected to be towards the south". Groundwater flow cannot be determined "due to presence of a pumping well on the site". Groundwater analyticals show 477ppb ethylbenzene(W-3), 782ppb xylene(W-3).Subsurface Investigation Report (Tyree Org) April 1999. "Three pump islands adjacent to Rockaway Parkway". Installation of four monitoring wells. Groundwater flow to the southwest. Soil analyticals show no TAGM 4046 Soil Cleanup Objective exceedences. Groundwater analyticals show 270ppb ethylbenzene(W-3), 325ppb xylene(W-3) and 197ppb MTBE(W-3).Quarterly Monitoring Report (Tyree Org) October 1998 thru Jan 1999. Four monitoring wells onsite. Groundwater at depth of 27-29' and flows to the south. Groundwater analyticals show 270ppb ethylbenzene(W-3), 324ppb xylene(W-3).Quarterly Monitoring Report (Tyree Org) Jan 1999 thru Jan 2000. Four monitoring wells onsite. Groundwater at depth of 27-29' and flows to the southwest. Groundwater analyticals show 29ppb ethylbenzene(W-3), 128ppb xylene(W-3) and 485ppb MTBE(W-3).Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 - GETTY PROPERTIES (Continued)**

**S107521781**

Monitoring Report (Tyree Org) Feb 2000 thru April 2001. Four monitoring wells onsite. Groundwater at depth of 27-29' and flows to the south. Groundwater analyticals show 7.13ppb benzene(W-3) and 70.8ppb MTBE(W-3). Letter from Tyree Brothers to DEC(Rommel)-6/15/01. "This letter is sent by the Tyree Organization to respectfully request....remove wells 1,2,4 from monitoring/sampling regimen, leaving well 3. These changes will be effected as of July 1, 2001. If there are any objections to these changes, please notify us in writing...". Quarterly Monitoring Report (Tyree Org) May 2001 thru Oct 2001. Four monitoring wells onsite. Groundwater at depth of 27-29' and flows to the south. Groundwater analyticals only from W-3 show no Groundwater Standard exceedences. Historical Data Compilation (Tyree Org)-December 2001. Complilation includes No Further Action Request. Quarterly Monitoring Reports (Tyree Org) November 2001 thru January 2004. One monitoring well being sampled. Groundwater at depth of 27-28' and flows to the south. Groundwater analyticals show no Groundwater Standard exceedences. 3/17/04-Vought-DEC requires 1)collection of three groundwater samples from downgradient (southerly) locations from each of the three former excavations. Vought sent letter with above requirements on 3/18/04. 08/31/2005 - Feng - Project transferred from Vought to Feng. 10/21/2005 - Feng - Geoprobe Investigation performed by Tyree on April 1, 2004. three (3) borings were performed downgradient from the former tankfields. B-1 and B-2 found high contamination. For B-1, 301ppb Ethylbenzene, 731ppb Total Xylenes, 192ppb Isopropylbenzene, 324ppb n-Propylbenzene, 145ppb 1,3,5-Trimethylbenzene, 2,110ppb 1,2,4-Trimethylbenzene. For B-2, 10,800ppb Toluene, 3,530ppb Ethylbenzene, 20,140ppb Total Xylenes, 685ppb 1,3,5-Trimethylbenzene, 2,580ppb 1,2,4-Trimethylbenzene. Tyree recommends to install 2 monitoring wells in the location of B-1 and B-2. 10/24/2005 - Feng - Monitoring Wells installation, November 12, 2004. On 10/28/2004, Tyree installed two (2) additional groundwater monitoring wells (W-5 and W-6) on the southern sidewalk of Rockway Blvd, downgradient from former B-1 and B-2 boring location in Getty S/S #16. Analyticals show low contamination, the highest total Xylenes in W-5 is 208.16ppb. Continuous monitoring is necessary. 10/24/2005 - Feng - Quarterly Monitoring Report, 5/2005 - 7/2005. groundwater flows southwesterly in depth of 26.07' to 26.21' below grade. W-3 blow MDL. W-5 and W-6 which are newly installed on 11/2004 show decreaseing in BTEX and MTBE below MDL. 11/3/2005 - Feng - Quarterly Monitoring Report, 8/2005 - 10/2005. groundwater flows southwesterly in depth of 26.59' to 26.76' below grade. 3 monitoring wells sampled. W-3 blow MDL. W-5 and W-6 which are newly installed on 11/2004 show decreaseing in BTEX and MTBE below MDL. W-5, 6 BTEX and MTBE BDL. W-6, BTEX BDL and 1 MTBE. 4/10/2006 - Feng - database updated - 4/7/2006 emailed to Paul Lindell and Paul Hatcher for localized treatment for this site. (RJF)6/23/2006 - Feng - Quarterly Monitoring Report, 2/2006 - 4/2006. The site is active gasoline service station with car wash. As of sampling on 4/21/2006, groundwater flows to south at depth of 26.04' to 26.21' bg. 4 monitoring wells on and off site. W-3, W-5 and W-6 are ND in BTEX and MTBE. W-7, 36,570 ppb BTEX (Benzene ND, 5,350 ppb Toluene, 4,520 ppb Ethylbenzene, 26,700 ppb Xylenes), MTBE ND. As per the meeting on 5/18/2006, EVFR will be conducting on W-7 for localized treatment. (RJF)9/11/2006 - Feng - Quarterly Monitoring Report, 5/2006 - 7/2006, by Tyree. The site is active gasoline service station with car wash. Quarterly gauging and sampling on 7/24/2006. Groundwater flows to south at the depth of 25.57' to

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 - GETTY PROPERTIES (Continued)**

**S107521781**

25.78' bg. 4 monitoring wells. W-3, W-5, and W-6 are low. W-7, 33,940 ppb BTEX (ND B, 5,320 ppb T, 4,120 ppb E, 24,500 ppb X), MTBE ND. A letter sent to Kevin Shea (Getty Properties) for submission of RAP, RAP due 11/27/2006. (RJF)1/18/2007 - Feng - Getty Properties portfolio meeting with Tyree and Delta. RAP will be submitted 6/2007. 1/22/2007 - Feng - Quarterly Monitoring Report, 8/2006 - 10/2006, 11/20/2006, by Tyree. Groundwater sampled and gauged 10/3/2006. 4 monitoring wells. DTW 25.82' to 26.08' bg. Flow south. W-7, 35,274 ppb BTEX, MTBE ND. (RJF)6/6/2007 - Feng - Quarterly Monitoring Report, 11/2006 - 1/2007, 2/2007. Groundwater monitored 1/22/2007. 4 monitoring wells. DTW 25.94' to 26.10' bg. Flows southerly. W-3, ND. W-5, 668 ppb BTEX, MTBE ND. W-6, 20 ppb BTEX, MTBE ND. W-7, 30,320 ppb BTEX, MTBE ND. (RJF)6/26/2007 - Feng - Quarterly Monitoring Report, 2/2007 - 4/2007, 4/2007. Groundwater sampled 4/9/2007. 4 monitoring wells. DTW 26.02' to 26.24' bg. Flows to south. No LNAPL. No MTBE. W-3, BTEX ND. W-5, 282 ppb BTEX. W-6, 275 ppb BTEX. W-7, 27,800 ppb BTEX. (RJF)11/7/2007 - Feng - Quarterly Monitoring Report, 5/2007 - 7/2007, 8/2007. Groundwater sampled 7/26/2007. 4 monitoring wells. DTW 25.43' to 26.78' bg. Flows to south. No LNAPL. BTEX range ND to 10,970 ppb (W-7). MTBE ND. (RJF)11/8/2008 - Feng - Portfolio meeting with Delta and Tyree. Conducted EFR on MW-7 (1-inch well), but not much recovery. Tyree will install bigger well and put together in RAP by the end of 11/2007. EFR or ORC injection will be proposed. (RJF)11/26/2007 - Feng - Email Paul Lindell (Delta) and Paul Hatcher (Tyree) reminding the RAP due by the end of 11/2007. (RJF)1/28/2008 - Feng - Quarterly Monitoring Report, 8/2007 - 10/2007, 10/2007. Active gasoline service station with car wash. Groundwater gauged and monitored 10/19/2007. 4 monitoring wells, W-7 was not sampled. DTW 25.73' to 25.95' bg. Flows to south. No LNAPL. BTEX range ND to 734 ppb (W-5). MTBE ND. Reviewed the RAP, dated 11/29/2007. Tyree proposed to convert the 1-inch diameter well into 4-inch diameter well and monthly EFVR events will be conducted. RAP approved and required to implement the RAP by 3/31/2008. (RJF)5/14/2008 - Feng - Quarterly Monitoring Report, 11/2007 - 1/2008, 2/2008. Active gasoline service station with car wash. Groundwater was gauged and sampled 1/25/2008. 4 monitoring wells, W-7 was not sampled. DTW 25.76' to 26.01' bg. Flows to south. No LNAPL. BTEX range ND to 120 ppb (W-6). MTBE ND. Noted that W-7 will be redrilled with a 4-inch well and EVRs will be conducted on a monthly basis. (RJF)7/11/2008 - 2Q2008, 2/2008 - 4/2008, 5/2008. Active gasoline service station with car wash. Groundwater was gauged and sampled 4/8/2008. 4 monitoring wells. DTW 25.62' to 26.07' bg. Flows to south. No LNAPL. BTEX range ND to 15,841 ppb (W-7). MTBE ND. W-7 was re-drilled into 4-inch diameter on 4/9/2008. EFR was conducted at W-7 on 4/11/2008, a total of 191 gallons of gasoline/water mixture was removed. (RJF)9/4/2008 - Getty Properties portfolio meeting with Tyree and Delta. Check the W-1 and W-2 history and continue monthly EFR, will totalizing the recoveries next quarter. Survey the W-7 for hydrograph. (RJF)1/6/2009 - Getty Properties portfolio meeting with Tyree and Delta. Received quarterly and under review to check if all the last meeting requirements have been addressed. (RJF)4/22/2009 - Quarterly Monitoring Report, 5/2008 - 7/2008, 8/2008, by Tyree. Active gasoline service station with car wash. Groundwater was gauged and sampled 7/18/2008. 4 monitoring wells. DTW 25.72' to 26.19' bg. Flows to south. NO LNAPL. BTEX range ND to 19,412 ppb (W-7). MTBE ND. EVR on W-7 on 6/2/2008, removed 79 gallons of gasoline/water mixture. EVR on W-7 on 6/16/2008, removed 220 gallons of

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 - GETTY PROPERTIES (Continued)**

**S107521781**

gasoline/water mixture. Quarterly Monitoring Report, 8/2008 - 10/2008, 11/2008, by Tyree. Active gasoline service station with car wash. Groundwater was gauged and sampled 10/3/2008. 4 monitoring wells. DTW 25.68' to 26.12' bg. Flows to south. BTEX range ND to 17,498 ppb (W-7). MTBE ND. EVR conducted on W-7 on 9/5/2008, removed 318 gallons of gasoline/water mixture. EVR on W-7 on 9/27/2008, removed 295 gallons of gasoline/water mixture. EVR on W-7 on 10/16/2008, removed 265 gallons of gasoline/water mixture. (RJF)9/4/2009 - Quarterly Monitoring Report, 4/2009 - 6/2009, 5/2009, pdf via email 7/27/2009, by Tyree. Active gasoline service station with car wash. 4 monitoring wells. Monthly gauged. Quarterly sampled on 4/14/2009. DTW 25.66' to 26.97' bg. flows to south. NO LNAPL. BTEX range ND to 15,956.4 ppb (W-7). MTBE range ND. EFR on W-7 on 3/13/2009 removed 361 gallons, on 5/28/2009 removed 122 gallons, on 6/3/2009 removed 230 gallons. W-1 and W-2 have been added to the sampling program, but no groundwater from W-1 and W-2 were sampled, these two weels were only gauged. (RJF)11/16/2011 - email from Tyree "Hassan and Joseph,Attached you will find the 3rd Quarter 2011 Quarterly Monitoring Report for Getty Service Station #16, located at 98-21 Rockaway Boulevard, Ozone Park, New York, for your review.Of note:During a meeting between the NYSDEC, Antea Group, and Tyree that took place on July 14, 2010, the NYSDEC agreed to the request to abandon monitoring well MW-2. The abandonment of monitoring well MW-2 is planned to take place during November 2011.If you should have any questions, please feel free to contact me.Thank you,Tom FrancoThomas D. FrancoEnvironmental Project ManagerTyree Environmental Corporation125 Commerce DriveBrookfield, Connecticut 06804T: (203) 740-8200 x: 222 F: (203) 740-0450C: (774) 248-4181tfranco@tyreeorg.com "

Remarks: CONTAMINATED SOIL FOUND DURING UNDERGROUND TANK REMOVAL

Material:

Site ID: 182101  
Operable Unit ID: 1031768  
Operable Unit: 01  
Material ID: 350411  
Material Code: 0009  
Material Name: Gasoline  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY S/S #16 - GETTY PROPERTIES (Continued)**

**S107521781**

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**M54**  
**SW**  
**1/8-1/4**  
**0.155 mi.**  
**816 ft.**

**BENNETT SCHOLEY RICE**  
**98-08 ROCKAWAY BLVD**  
**OZONE PARK, NY 11417**  
**Site 6 of 7 in cluster M**

**RCRA NonGen / NLR** **1000314279**  
**FINDS** **NYD982793283**  
**MANIFEST**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**34 ft.**

Date form received by agency: 01/01/2007  
Facility name: BENNETT SCHOLEY RICE  
Facility address: 98-08 ROCKAWAY BLVD  
OZONE PARK, NY 114171617  
EPA ID: NYD982793283  
Mailing address: MERRICK RD - BOX 710  
ROCKVILLE CENTRE, NY 11571  
Contact: Not reported  
Contact address: MERRICK RD - BOX 710  
ROCKVILLE CENTRE, NY 11571  
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: BENNETT SCHOLEY RICE  
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

Owner/operator name: BENNETT SCHOLEY RICE  
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

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BENNETT SCHOLEY RICE (Continued)**

**1000314279**

Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used 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: BENNETT SCHOLEY RICE  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Facility name: BENNETT SCHOLEY RICE  
Classification: Not a generator, verified

Date form received by agency: 08/17/1989  
Facility name: BENNETT SCHOLEY RICE  
Classification: Large Quantity Generator

Violation Status: No violations found

**FINDS:**

Registry ID: 110004434318

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: NYD982793283  
Country: USA  
Mailing Name: BENNETT SCHOLEY & RICE  
Mailing Contact: BENNETT SCHOLEY & RICE  
Mailing Address: 255 MERRICK RD  
Mailing Address 2: Not reported  
Mailing City: ROCKVILLE CENTRE  
Mailing State: NY  
Mailing Zip: 11570  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 516-766-0081

Document ID: NYA8316891  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890818

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BENNETT SCHOLEY RICE (Continued)**

**1000314279**

Trans1 Recv Date: 890818  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890822  
Part A Recv Date: 890906  
Part B Recv Date: 890829  
Generator EPA ID: NYD982793283  
Trans1 EPA ID: NYD006801245  
Trans2 EPA ID: Not reported  
TSD ID: NYD082785429  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00220  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 89

**M55  
SW  
1/8-1/4  
0.155 mi.  
816 ft.**

**ROCK 98 AUTO REPAIR SERV INC  
98-08 ROCKAWAY BLVD  
OZONE PARK, NY 11417**

**UST U001837573  
HIST UST N/A**

**Site 7 of 7 in cluster M**

**Relative:  
Lower**

UST:

**Actual:  
34 ft.**

Facility Id: 2-361348  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated  
Program Type: PBS  
Expiration Date: N/A  
UTM X: 597892.6187299999  
UTM Y: 4503899.0886700004

Affiliation Records:

Site Id: 18238  
Affiliation Type: Owner  
Company Name: MARION GAROFANO  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 343 STEWART AVE  
Address2: Not reported  
City: GARDEN CITY  
State: NY  
Zip Code: 11530  
Country Code: 001  
Phone: (516) 746-7740  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18238  
Affiliation Type: Mail Contact  
Company Name: MARION GAROFANO  
Contact Type: Not reported  
Contact Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Address1: 343 STEWART AVE  
Address2: Not reported  
City: GARDEN CITY  
State: NY  
Zip Code: 11530  
Country Code: 001  
Phone: (516) 746-7740  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18238  
Affiliation Type: On-Site Operator  
Company Name: ROCK 98 AUTO REPAIR SERV INC  
Contact Type: Not reported  
Contact Name: ROCK 98 AUTO REPAIR SERV INC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 845-9756  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18238  
Affiliation Type: Emergency Contact  
Company Name: MARION GAROFANO  
Contact Type: Not reported  
Contact Name: VINCENT M COMPETELLO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 845-9756  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Site ID: 18238

Tank Number: 0D1  
Tank ID: 22085  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Tank Number: 0D2  
Tank ID: 22086  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Tank Number: 0D3  
Tank ID: 22087  
Tank Status: Closed - Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Tank Number: 0D4  
Tank ID: 22088  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Tank Number: 0D5

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Tank ID: 22089  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Tank Number: 0S1  
Tank ID: 22090  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Tank Number: 0S2  
Tank ID: 22091  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Tank Number: 0U1  
Tank ID: 22080  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Site ID: 18238  
  
Tank Number: 0U2  
Tank ID: 22081  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Tank Number: 0U3  
Tank ID: 22082  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Last Modified: 03/04/2004  
Site ID: 18238  
Tank Number: 0U4  
Tank ID: 22083  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 18238

Tank Number: 0U5  
Tank ID: 22084  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

**HIST UST:**

PBS Number: 2-361348  
SPDES Number: Not reported  
Emergency Contact: VINCENT M COMPETELLO  
Emergency Telephone: (718) 845-9756  
Operator: ROCK 98 AUTO REPAIR SERV INC  
Operator Telephone: (718) 845-9756  
Owner Name: MARION GAROFANO  
Owner Address: 343 STEWART AVE  
Owner City,St,Zip: GARDEN CITY, NY 11530  
Owner Telephone: (516) 746-7740  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Name: MARION GAROFANO  
Mailing Address: 343 STEWART AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: GARDEN CITY, NY 11530  
Mailing Contact: Not reported  
Mailing Telephone: (516) 746-7740  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.  
Facility Addr2: 9808 ROCKAWAY BLVD  
SWIS ID: 6301  
Old PBS Number: Not reported  
Facility Type: Not reported  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 10/06/1987  
Expiration Date: 10/06/1992  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 63  
Town or City: 01  
Region: 2  
  
Tank Id: 0D1  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: NOS 1,2, OR 4 FUEL OIL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

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: Other  
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: True  
Lat/long: Not reported

Tank Id: 0D2  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other  
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: True  
Lat/long: Not reported

Tank Id: 0D3  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: Other  
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: True  
Lat/long: Not reported

Tank Id: 0D4  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other  
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: True  
Lat/long: Not reported

Tank Id: 0D5  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Pipe External: Not reported  
Second Containment: None  
Leak Detection: Other  
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: True  
Lat/long: Not reported

Tank Id: 0S1  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other  
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: True  
Lat/long: Not reported

Tank Id: 0S2  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

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: True  
Lat/long: Not reported

Tank Id: 0U1  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other  
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: True  
Lat/long: Not reported

Tank Id: 0U2  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

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

Tank Id: 0U3  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other  
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: True  
Lat/long: Not reported

Tank Id: 0U4  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROCK 98 AUTO REPAIR SERV INC (Continued)**

**U001837573**

Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 0U5  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: None  
Leak Detection: Other  
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: True  
Lat/long: Not reported

L56  
NE  
1/8-1/4  
0.155 mi.  
821 ft.

**10341 105TH ST  
OZONE PARK, NY 11417**  
**Site 2 of 2 in cluster L**

**EDR US Hist Cleaners 1014970007  
N/A**

**Relative:  
Higher**

EDR Historical Cleaners:  
Name: GADURAS LAUNDROMAT INC  
Year: 2005  
Address: 10341 105TH ST

**Actual:  
39 ft.**

Name: GADURAS LAUNDROMAT INC  
Year: 2006  
Address: 10341 105TH ST

Name: GADURAS LAUNDROMAT INC  
Year: 2007  
Address: 10341 105TH ST

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**N57**  
**NW**      **10312 101ST ST**  
**1/8-1/4**    **OZONE PARK, NY 11417**  
**0.156 mi.**  
**826 ft.**    **Site 1 of 3 in cluster N**

**EDR US Hist Auto Stat**    **1015134433**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**36 ft.**

EDR Historical Auto Stations:

Name:	THE CAR PLACE INC
Year:	2002
Address:	10312 101ST ST
Name:	THE CAR PLACE INC
Year:	2003
Address:	10312 101ST ST
Name:	CAR PLACE INC
Year:	2004
Address:	10312 101ST ST
Name:	THE CAR PLACE INC
Year:	2005
Address:	10312 101ST ST
Name:	THE CAR PLACE INC
Year:	2006
Address:	10312 101ST ST
Name:	CINDYS AUTO REPAIR
Year:	2010
Address:	10312 101ST ST

**O58**  
**SE**      **10302 ROCKAWAY BLVD**  
**1/8-1/4**    **OZONE PARK, NY 11417**  
**0.161 mi.**  
**851 ft.**    **Site 1 of 2 in cluster O**

**EDR US Hist Auto Stat**    **1015134187**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**43 ft.**

EDR Historical Auto Stations:

Name:	AUTO RAMA INCORPORATED
Year:	2000
Address:	10302 ROCKAWAY BLVD

**59**      **REMEDY REMOVAL INC**  
**NNE**    **103-21 104TH ST**  
**1/8-1/4**    **OZONE PARK, NY 11417**  
**0.162 mi.**  
**853 ft.**

**RCRA NonGen / NLR**    **1000201684**  
**FINDS**                **NYD982725210**

**Relative:**  
**Higher**  
  
**Actual:**  
**48 ft.**

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007	
Facility name:	REMEDY REMOVAL INC
Facility address:	103-21 104TH ST
	OZONE PARK, NY 11417
EPA ID:	NYD982725210
Mailing address:	104TH ST
	OZONE PARK, NY 11417
Contact:	THOMAS LOCURTO
Contact address:	104TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REMEDY REMOVAL INC (Continued)**

**1000201684**

OZONE PARK, NY 11417  
Contact country: US  
Contact telephone: (718) 835-4524  
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: THOMAS & LAURA LOCURTO  
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: THOMAS & LAURA LOCURTO  
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  
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: REMEDY REMOVAL INC  
Classification: Not a generator, verified

Date form received by agency: 02/14/1989  
Facility name: REMEDY REMOVAL INC  
Classification: Unverified

Violation Status: No violations found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REMEDY REMOVAL INC (Continued)**

**1000201684**

**FINDS:**

Registry ID: 110004427745

**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.

**O60**  
**SE**  
**1/8-1/4**  
**0.164 mi.**  
**865 ft.**

**103-02 ROCKAWAY BLVD**  
**103-02 ROCKAWAY BOULEVARD**  
**OZONE PARK, NY 11417**  
**Site 2 of 2 in cluster O**

**UST U004044897**  
**N/A**

**Relative:**  
**Higher**

**UST:**  
Facility Id: 2-609008  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 2008/05/29  
UTM X: 598313.06597  
UTM Y: 4503839.8029399998

**Actual:**  
**43 ft.**

**Affiliation Records:**  
Site Id: 30855  
Affiliation Type: Owner  
Company Name: LAWRENCO DARROW  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 35 TALISMAN DR  
Address2: Not reported  
City: DIX HILLS  
State: NY  
Zip Code: 11746  
Country Code: 001  
Phone: (631) 462-5073  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 9/18/2008

Site Id: 30855  
Affiliation Type: Mail Contact  
Company Name: LAWRENCO DARROW  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 35 TALISMAN DRIVE  
Address2: Not reported  
City: DIX HILLS  
State: NY  
Zip Code: 11746

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-02 ROCKAWAY BLVD (Continued)

U004044897

Country Code: 001  
Phone: (631) 462-5073  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 30855  
Affiliation Type: On-Site Operator  
Company Name: 103-02 ROCKAWAY BLVD  
Contact Type: Not reported  
Contact Name: G&L  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 835-2442  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 30855  
Affiliation Type: Emergency Contact  
Company Name: LAWRENCO DARROW  
Contact Type: Not reported  
Contact Name: LAWRENCO DARROW  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (631) 462-5073  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:  
Site ID: 30855  
  
Tank Number: 1  
Tank ID: 66125  
Tank Status: In Service  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:  
B00 - Tank External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-02 ROCKAWAY BLVD (Continued)

U004044897

J00 - Dispenser - None  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
Install Date: 01/01/1950  
Capacity Gallons: 2500  
Tightness Test Method: 00  
Next Test Date: 12/27/1987  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: dxliving  
Last Modified: 09/18/2008

P61  
NW  
1/8-1/4  
0.167 mi.  
884 ft.

10315 100TH ST  
OZONE PARK, NY 11417

EDR US Hist Auto Stat 1015134472  
N/A

Site 1 of 2 in cluster P

Relative:  
Higher

EDR Historical Auto Stations:

Actual:  
35 ft.

Name: JEET GENERAL AUTO REPAIR INCORPORATED  
Year: 1999  
Address: 10315 100TH ST  
  
Name: JEET GENERAL AUTO REPAIR INCORPORATED  
Year: 2000  
Address: 10315 100TH ST  
  
Name: JEET GENERAL AUTO REPAIR INC  
Year: 2001  
Address: 10315 100TH ST  
  
Name: JEET GENERAL AUTO REPAIR INC  
Year: 2002  
Address: 10315 100TH ST  
  
Name: JEET GENERAL AUTO REPAIR INC  
Year: 2003  
Address: 10315 100TH ST  
  
Name: JEET GENERAL AUTO REPAIR INC  
Year: 2007  
Address: 10315 100TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

62  
WNW  
1/8-1/4  
0.168 mi.  
885 ft.

10324 99TH ST  
OZONE PARK, NY 11417

EDR US Hist Auto Stat 1015134630  
N/A

Relative:  
Higher

EDR Historical Auto Stations:

Actual:  
36 ft.

- Name: EARLYS AUTO REPAIR  
Year: 1999  
Address: 10324 99TH ST
- Name: EARLYS AUTO REPAIR  
Year: 2000  
Address: 10324 99TH ST
- Name: EARLYS AUTO REPAIR  
Year: 2001  
Address: 10324 99TH ST
- Name: AMIGO COLLISION & MECHANIC  
Year: 2004  
Address: 10324 99TH ST
- Name: THE CAR HAVEN CORP  
Year: 2005  
Address: 10324 99TH ST
- Name: CAR HAVEN 99  
Year: 2006  
Address: 10324 99TH ST
- Name: THE CAR HAVEN CORP  
Year: 2007  
Address: 10324 99TH ST
- Name: THE CAR HAVEN CORP  
Year: 2008  
Address: 10324 99TH ST
- Name: CAR HAVEN 9 CORP  
Year: 2009  
Address: 10324 99TH ST
- Name: EARLYS AUTO REPAIR  
Year: 2010  
Address: 10324 99TH ST
- Name: CAR HAVEN NINETY NINE  
Year: 2011  
Address: 10324 99TH ST
- Name: LIBERTY FIELDS AUTO  
Year: 2012  
Address: 10324 99TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P63**  
**WNW**  
**1/8-1/4**  
**0.169 mi.**  
**890 ft.**

**CAR HAVEN 99 CORP**  
**103-24 99ST**  
**OZONE PARK, NY 11417**

**Site 2 of 2 in cluster P**

**AST** **A100293473**  
**N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-608040  
Program Type: PBS  
UTM X: 597948.3519000001  
UTM Y: 4504120.9874799997  
Expiration Date: 2017/09/24

**Actual:**  
**36 ft.**

Affiliation Records:

Site Id: 29892  
Affiliation Type: Owner  
Company Name: CAR HAVEN 99 CORP  
Contact Type: OWNER  
Contact Name: A. MEZARINA  
Address1: 103-24 99ST  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 848-1886  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 12/17/2012

Site Id: 29892  
Affiliation Type: Mail Contact  
Company Name: CAR HAVEN 99 CORP  
Contact Type: Not reported  
Contact Name: AMANCIO P. MEZARINA  
Address1: 103-24 99ST  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 848-1886  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29892  
Affiliation Type: On-Site Operator  
Company Name: CAR HAVEN 99 CORP  
Contact Type: Not reported  
Contact Name: AMANCIO P. MEZARINA  
Address1: Not reported  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAR HAVEN 99 CORP (Continued)**

**A100293473**

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 848-1886  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29892  
Affiliation Type: Emergency Contact  
Company Name: CAR HAVEN 99 CORP  
Contact Type: Not reported  
Contact Name: AMANCIO P. MEZARINA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 848-1886  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 64206

Equipment Records:

B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
G10 - Tank Secondary Containment - Impervious Underlayment  
D00 - Pipe Type - No Piping  
J00 - Dispenser - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/2002  
Capacity Gallons: 250  
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: 12/17/2012

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**Q64**  
**North**  
**1/8-1/4**  
**0.173 mi.**  
**911 ft.**

**103-10 103RD ST**  
**103-10 103RD ST**  
**OZONE PARK, NY**  
**Site 1 of 2 in cluster Q**

**LTANKS** **S101341231**  
**HIST LTANKS** **N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**48 ft.**

Site ID: 246336  
 Spill No: 9412058  
 Spill Date: 12/7/1994  
 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: 2/28/2003  
 Facility Addr2: Not reported  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 4101  
 Investigator: TOMASELLO  
 Referred To: Not reported  
 Reported to Dept: 12/9/1994  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Citizen  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 1/25/1995  
 Spill Record Last Update: 2/28/2003  
 Spiller Name: Not reported  
 Spiller Company: EPIPHANY MARTHOMA CHURCH  
 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: 202310  
 DEC Memo: Not reported  
 Remarks: CONTRACTOR CLOSING OUT PUNTURED IT AND SPILLED A LOT OF OIL IN DIRT, AND THEY COVERED THE SPILL WITH DIRT-TANK IS STILL IN THE GROUND, 1000 GLS. TANK

Material:

Site ID: 246336  
 Operable Unit ID: 1009843  
 Operable Unit: 01  
 Material ID: 374393  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 100  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-10 103RD ST (Continued)

S101341231

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: 9412058  
Spill Date: 12/07/1994  
Spill Time: 12:00  
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: 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: 12/09/94  
Reported to Department Time: 11:20  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: EPIPHANY MARTHOMA CHURCH  
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: Citizen  
PBS Number: Not reported  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
Enforcement Date: / /

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-10 103RD ST (Continued)

S101341231

Investigation Complete: / /  
UST Involvement: False  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 01/25/95  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 07/05/95  
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: 100  
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: CONTRACTOR CLOSING OUT PUNTURED IT AND SPILLED A LOT OF OIL IN DIRT, AND THEY COVERED THE SPILL WITH DIRT-TANK IS STILL IN THE GROUND, 1000 GLS. TANK

Q65  
North  
1/8-1/4  
0.173 mi.  
914 ft.

103RD ST & 103RD AVE/QUNS  
103RD ST & 103RD AVE  
NEW YORK CITY, NY  
Site 2 of 2 in cluster Q

LTANKS 1002984276  
HIST LTANKS N/A

Relative:  
Higher

LTANKS:  
Site ID: 288689  
Spill No: 8910300  
Spill Date: 1/26/1990  
Spill Cause: Tank Overfill  
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: 12/8/1992  
Facility Addr2: Not reported  
Cleanup Ceased: 12/8/1992  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 1/16/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party

Actual:  
47 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**103RD ST & 103RD AVE/QUNS (Continued)**

**1002984276**

Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/31/1990  
Spill Record Last Update: 12/10/1992  
Spiller Name: Not reported  
Spiller Company: CITY UTILITIES  
Spiller Address: 120-06 111 AVENUE  
Spiller City,St,Zip: RICHMOND HILL, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 233827  
DEC Memo: Not reported  
Remarks: 1080 GALLON TANK OVERFILLED, SPEEDY DRY APPLIED, DISPOSED OF PROPERLY.  
Not reported

Material:

Site ID: 288689  
Operable Unit ID: 935385  
Operable Unit: 01  
Material ID: 443406  
Material Code: 0001A  
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: 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: 8910300  
Spill Date: 01/26/1990  
Spill Time: 15:50  
Spill Cause: Tank Overfill  
Resource Affectd: On Land  
Water Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**103RD ST & 103RD AVE/QUNS (Continued)**

**1002984276**

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: 12/08/92  
Cleanup Ceased: 12/08/92  
Cleanup Meets Standard: True  
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: 01/16/90  
Reported to Department Time: 17:30  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: CITY UTILITIES  
Spiller Address: 120-06 111 AVENUE  
Spiller City,St,Zip: RICHMOND HILL, NY  
Spiller Cleanup Date: / /  
Facility Contact: Not reported  
Facility Phone: (718) 846-3636  
Facility Extention: Not reported  
Spill Notifier: Responsible Party  
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: 01/31/90  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 12/10/92  
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: 15  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**103RD ST & 103RD AVE/QUNS (Continued)**

**1002984276**

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: 1080 GALLON TANK OVERFILLED, SPEEDY DRY APPLIED, DISPOSED OF PROPERLY.

**R66**  
**WSW**  
**1/8-1/4**  
**0.173 mi.**  
**916 ft.**

**AMOCO GAS STATION**  
**97-09 ROCKAWAY BLVD**  
**QUEENS, NY**

**LTANKS** **S105999301**  
**N/A**

**Site 1 of 5 in cluster R**

**Relative:**  
**Lower**

LTANKS:

**Actual:**  
**34 ft.**

Site ID: 137469  
Spill No: 0303304  
Spill Date: 6/28/2003  
Spill Cause: Tank Overfill  
Spill Source: Gasoline Station  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 6/30/2003  
Facility Addr2: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 4101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 6/28/2003  
CID: 297  
Water Affected: Not reported  
Spill Notifier: Fire Department  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 6/28/2003  
Spill Record Last Update: 8/29/2003  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller County: 001  
Spiller Contact: DISP #883  
Spiller Phone: (718) 476-6200  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 275975  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
Remarks: A GAS TANKER WAS FILLING THE INGROUND TANKS, OVERFILLED IT - FD ON THE SCENE

Material:  
Site ID: 137469  
Operable Unit ID: 870406

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AMOCO GAS STATION (Continued)**

**S105999301**

Operable Unit: 01  
 Material ID: 504174  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 30  
 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

**R67**  
**WSW**  
**1/8-1/4**  
**0.173 mi.**  
**916 ft.**

**NOR-ROCK SERVICE CENTER, INC.**  
**97-09 ROCKAWAY BOULEVARD**  
**OZONE PARK, NY 11417**  
**Site 2 of 5 in cluster R**

**UST** **U000402810**  
**HIST UST** **N/A**  
**AST**  
**NY Spills**

**Relative:**  
**Lower**

UST:

Facility Id: 2-266922  
 Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated  
 Program Type: PBS  
 Expiration Date: N/A  
 UTM X: 597818.6835699999  
 UTM Y: 4503922.9843699997

**Actual:**  
**34 ft.**

Affiliation Records:

Site Id: 11054  
 Affiliation Type: Owner  
 Company Name: NOR-ROCK SERVICE CENTER INC.  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 97-09 ROCKAWAY BOULEVARD  
 Address2: Not reported  
 City: OZONE PARK  
 State: NY  
 Zip Code: 11417  
 Country Code: 001  
 Phone: (718) 383-1562  
 Phone Ext: 180  
 Email: Not reported  
 Fax Number: Not reported  
 Modified By: NRLOMBAR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Date Last Modified: 8/19/2010  
  
Site Id: 11054  
Affiliation Type: Mail Contact  
Company Name: METRO FUEL OIL CORP.  
Contact Type: Not reported  
Contact Name: PAUL PULLO  
Address1: 500 KINGSLAND AVENUE  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11222  
Country Code: 001  
Phone: (718) 383-1562  
Phone Ext: 180  
Email: PULLO@MSN.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/19/2010

Site Id: 11054  
Affiliation Type: On-Site Operator  
Company Name: NOR-ROCK SERVICE CENTER, INC.  
Contact Type: Not reported  
Contact Name: PAUL PULLO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 383-1562  
Phone Ext: 180  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/19/2010

Site Id: 11054  
Affiliation Type: Emergency Contact  
Company Name: NOR-ROCK SERVICE CENTER INC.  
Contact Type: Not reported  
Contact Name: PAUL PULLO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 383-1562  
Phone Ext: 180  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/19/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Tank Info:

Site ID: 11054

Tank Number: 01  
Tank ID: 18227  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
G07 - Tank Secondary Containment - Excavation/Trench Liner System  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
K00 - Spill Prevention - None  
A02 - Tank Internal Protection - Rubber Liner  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Install Date: 09/01/1978  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: Not reported  
Date Tank Closed: 07/26/2010  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 02/04/2005  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 08/19/2010

Site ID: 11054

Tank Number: 02  
Tank ID: 18228  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
G07 - Tank Secondary Containment - Excavation/Trench Liner System  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
K00 - Spill Prevention - None  
A02 - Tank Internal Protection - Rubber Liner  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Install Date: 09/01/1978  
Capacity Gallons: 4000  
Tightness Test Method: 21

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Next Test Date: Not reported  
Date Tank Closed: 07/26/2010  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 02/04/2005  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 08/19/2010

Site ID: 11054

Tank Number: 03  
Tank ID: 18229  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
G07 - Tank Secondary Containment - Excavation/Trench Liner System  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
A02 - Tank Internal Protection - Rubber Liner  
K00 - Spill Prevention - None  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Install Date: 09/01/1978  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: Not reported  
Date Tank Closed: 07/26/2010  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 02/04/2005  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 08/19/2010

Site ID: 11054

Tank Number: 04  
Tank ID: 18230  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
G07 - Tank Secondary Containment - Excavation/Trench Liner System  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
A02 - Tank Internal Protection - Rubber Liner  
K00 - Spill Prevention - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

J02 - Dispenser - Suction  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring  
Install Date: 09/01/1978  
Capacity Gallons: 4000  
Tightness Test Method: 21  
Next Test Date: Not reported  
Date Tank Closed: 07/26/2010  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 02/04/2005  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 08/19/2010

Site ID: 11054

Tank Number: 1  
Tank ID: 49066  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
C02 - Pipe Location - Underground/On-ground  
H00 - Tank Leak Detection - None  
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  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 10  
Tank ID: 49075  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
H00 - Tank Leak Detection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 11  
Tank ID: 49076  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
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  
B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 2  
Tank ID: 49067  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

C02 - Pipe Location - Underground/On-ground  
G00 - Tank 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  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 3  
Tank ID: 49068  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
C02 - Pipe Location - Underground/On-ground  
H00 - Tank Leak Detection - None  
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  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 4  
Tank ID: 49069  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
G00 - Tank 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  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 5  
Tank ID: 49070  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 6  
Tank ID: 49071  
Tank Status: Closed - Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
C02 - Pipe Location - Underground/On-ground  
H00 - Tank Leak Detection - None  
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  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 7  
Tank ID: 49072  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 8

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Tank ID: 49073  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
C02 - Pipe Location - Underground/On-ground  
H00 - Tank Leak Detection - None  
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  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 11054

Tank Number: 9  
Tank ID: 49074  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
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  
B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
I00 - Overfill - None

Install Date: 12/01/1978  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

HIST UST:

PBS Number: 2-266922  
SPDES Number: Not reported  
Emergency Contact: ALAN UHL  
Emergency Telephone: (718) 225-8842  
Operator: INDERJECT RAMNANTH  
Operator Telephone: (718) 738-8149  
Owner Name: NOR-ROCK SERVICE CENTER, INC.  
Owner Address: 97-09 ROCKAWAY BOULEVARD  
Owner City,St,Zip: OZONE PARK, NY 11417  
Owner Telephone: (718) 738-8149  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: NOR-GROUP  
Mailing Address: 172-11 NORTHERN BLVD.  
Mailing Address 2: Not reported  
Mailing City,St,Zip: FLUSHING, NY 11358  
Mailing Contact: ALAN UHL  
Mailing Telephone: (718) 460-5411  
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: Not reported  
SWIS ID: 6301  
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: 01/05/2001  
Expiration Date: 12/22/2005  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 16000  
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: 63  
Town or City: 01  
Region: 2  
  
Tank Id: 01  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: 19780901  
Capacity (gals): 4000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Rubber Liner  
Tank External: Painted/Asphalt Coating

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: Vault (w/o access)  
Leak Detection: Other  
Overfill Prot: Other  
Dispenser: Suction  
Date Tested: 10/15/1998  
Next Test Date: 10/15/2003  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: USTest 2000  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 02  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: 19780901  
Capacity (gals): 4000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Rubber Liner  
Tank External: Painted/Asphalt Coating  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: Vault (w/o access)  
Leak Detection: Other  
Overfill Prot: Other  
Dispenser: Suction  
Date Tested: 10/15/1998  
Next Test Date: 10/15/2003  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: USTest 2000  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 03  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: 19780901  
Capacity (gals): 4000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Rubber Liner  
Tank External: Painted/Asphalt Coating  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Pipe External: None  
Second Containment: Vault (w/o access)  
Leak Detection: Other  
Overfill Prot: Other  
Dispenser: Suction  
Date Tested: 10/15/1998  
Next Test Date: 10/15/2003  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: USTest 2000  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 04  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: 19780901  
Capacity (gals): 4000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Rubber Liner  
Tank External: Painted/Asphalt Coating  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: Vault (w/o access)  
Leak Detection: Other  
Overfill Prot: Other  
Dispenser: Suction  
Date Tested: 10/15/1998  
Next Test Date: 10/15/2003  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: USTest 2000  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 1  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 10  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 11  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
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: Suction  
Date Tested: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 2  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 3  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 4  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 5  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Lat/long: Not reported

Tank Id: 6  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 7  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Tank Id: 8  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 9  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19781201  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
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: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 02/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Facility Id: 2-266922  
Program Type: PBS  
UTM X: 597818.68356999999  
UTM Y: 4503922.9843699997  
Expiration Date: N/A

Affiliation Records:

Site Id: 11054  
Affiliation Type: Owner  
Company Name: NOR-ROCK SERVICE CENTER INC.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 97-09 ROCKAWAY BOULEVARD  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 383-1562  
Phone Ext: 180  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/19/2010

Site Id: 11054  
Affiliation Type: Mail Contact  
Company Name: METRO FUEL OIL CORP.  
Contact Type: Not reported  
Contact Name: PAUL PULLO  
Address1: 500 KINGSLAND AVENUE  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11222  
Country Code: 001  
Phone: (718) 383-1562  
Phone Ext: 180  
Email: PULLO@MSN.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/19/2010

Site Id: 11054  
Affiliation Type: On-Site Operator  
Company Name: NOR-ROCK SERVICE CENTER, INC.  
Contact Type: Not reported  
Contact Name: PAUL PULLO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 383-1562  
Phone Ext: 180  
Email: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Modified By: NRLOMBAR  
Date Last Modified: 8/19/2010  
  
Site Id: 11054  
Affiliation Type: Emergency Contact  
Company Name: NOR-ROCK SERVICE CENTER INC.  
Contact Type: Not reported  
Contact Name: PAUL PULLO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 383-1562  
Phone Ext: 180  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/19/2010

Tank Info:

Tank Number: 05  
Tank Id: 216814

Equipment Records:

G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
B00 - Tank External Protection - None  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
J00 - Dispenser - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 04/01/2002  
Capacity Gallons: 280  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/26/2010  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/19/2010

SPILLS:

Facility ID: 1004707  
DER Facility ID: 117613

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Facility Type: ER  
Site ID: 437989  
DEC Region: 2  
Spill Number: 1004707  
Spill Date: 7/26/2010  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Spill Closed Date: 12/13/2010  
SWIS: 4101  
Investigator: RVKETANI  
Referred To: Not reported  
Reported to Dept: 7/26/2010  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/26/2010  
Spill Record Last Update: 12/13/2010  
Spiller Name: PAUL PULLO  
Spiller Company: VALERO GAS STATION  
Spiller Address: 97-09 ROCKAWAY BOULEVARD  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller Company: 999  
Contact Name: ROMAN SWIERZ  
Contact Phone: Not reported  
DEC Memo: 12/7/10 - Raphael Ketani. The spill took place on 7/26/10 and involved the release of product from at least one gasoline tank. The site is the Valero Gas Station at 97-09 Rockaway Boulevard, Ozone Park. The block and lot are 9169 and 47. The main address is 97-09 Rockaway Boulevard and the alternate address is 97-05 Rockaway Boulevard. According to ACRIS, the deed dated 12/28/09 states that the property was sold to Rock Asset Management, LLC, 500 Kingsland Avenue, Brooklyn, 11222. There are two other spill cases. Both are closed. One is #9808805 and was due to a loose cap during a tightness test. It was closed during February 2000. The other is #0303304. It was due to an overfill. It was closed during June 2003. There is one PBS case, #2-266922. It shows 15 tanks as closed and removed. All except one (waste oil) had contained gasoline. Four were 4,000 gals., 1 waste oil was 280 gals., and 11 were 550 gal. gasoline tanks. The owner is listed as Paul Pullo at (718) 383-1562. His business address is the same as 500 Kingsland Avenue. Felix and Sons (516) 358-9457 was the contractor for the tank pulling only. I spoke to the owner, Felix. He said that an environmental company did the rest of the work. This company had been hired by the owner of the property. Their phone numbers are (718) 389-5800, ext 180/cell (917) 560-7680. I called up Mr. Pullo (poo-lo) at Metro Fuel Delivery Service (718) 383-1562. He said that all of the remediation work had been done. He said that he had the entire remediation report on his desk. Presently, they are waiting for a permit to demolish the building. He said that Tom Masucci (consultant) at (917) 626-1895 had supervised

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

the tank removal and remediation. I asked Mr. Pullo why the building was going to be demolished. He said that this was for the bank, TD Bank, which wants to build a branch on the site. He will send the DEC the report by e-mail. I received the UST Closure Report dated 10/30/10, which was produced by SFG Associates, in three parts. I began my review of the report. 12/9/10 - Raphael Ketani. I reviewed the UST Closure Report. The narrative was very short and didn't give me much information regarding where the contamination was found. The report doesn't mention whether groundwater was encountered, or whether other subsurface conditions were encountered. All of the soil end point analyticals were non-detect, which seems a little odd as there supposedly was a leaking tank. There were lots of photos showing the work that was performed and manifests for the tanks and soil that were removed. I tried to contact Mr. Pullo to find out more information about the removal of the tanks and the excavating, but I could only leave a message. 12/13/10 - Raphael Ketani. Dr. Tom Masucci (917) 626-1895 tried to contact me on Friday 12/10/10, regarding the site remediation. I tried to return his call, but could only leave a message. Dr. Masucci called me back. He explained that there was no groundwater at the site. They dug down to reach the tanks and found the vault after removing about 1 foot of soil. Once they opened the vault, they noticed a slight odor of gasoline. There was no sign of a spill, but a spill was called in just in case. According to Dr. Masucci, there probably was a small leak from a joint in a fill pipe to a tank. The tanks were removed, along with the vault, soil and piping. The total amount of contaminated soil amounted to 3 or 4 buckets. Dr. Masucci stated that the UST Closure Report didn't have much information because there wasn't much information to include. As the data in the UST Closure Report indicated that there was no residual contamination present, and as Dr. Masucci explained that what little contamination that had been found was taken away, I have determined that there is no threat to the public or the environment. Therefore, I am closing the spill case.

Remarks: tank removal/loss of product

Material:

Site ID: 437989  
Operable Unit ID: 1188649  
Operable Unit: 01  
Material ID: 2183584  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported

Facility ID: 9808805  
DER Facility ID: 117613  
Facility Type: ER  
Site ID: 137470  
DEC Region: 2  
Spill Number: 9808805  
Spill Date: 10/15/1998  
Spill Cause: Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Spill Closed Date: 2/22/2000  
SWIS: 4101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 10/15/1998  
CID: 366  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/15/1998  
Spill Record Last Update: 2/10/2003  
Spiller Name: AL UHL  
Spiller Company: NOR-ROCK SERVICE  
Spiller Address: 97-09 ROCKAWAY BLVD  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller Company: 001  
Contact Name: AL UHL  
Contact Phone: (718) 460-5411  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"Line test failure:2/22/2000 Sangesland contacted Al Uhl at station and asked for follow up report from Crompco saying the lines were tested and past.Crompco (610-278-7203) "Certificate of Tightness" was issued on 10/16/98"Petro-Tite" Helium test was performed on 4 tanks and all lines associated with 4 tanks. All systems past. Note says that initial system failure was due to a loose cap on one of the lines. No spill noted.Closed  
Remarks: CALLER REPORTING A LINE TEST FAILURE. OWNER WILL TAKE CARE OF REPAIRS.  
Not reported

Material:  
Site ID: 137470  
Operable Unit ID: 1069994  
Operable Unit: 01  
Material ID: 316291  
Material Code: 0009  
Material Name: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOR-ROCK SERVICE CENTER, INC. (Continued)**

**U000402810**

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

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**S68**  
**ENE**  
**1/8-1/4**  
**0.175 mi.**  
**925 ft.**

**10519 LIBERTY AVE**  
**OZONE PARK, NY 11417**

**Site 1 of 3 in cluster S**

**EDR US Hist Cleaners 1014971332**  
**N/A**

**Relative:**  
**Higher**

**EDR Historical Cleaners:**

**Actual:**  
**39 ft.**

Name: SUNRISE CLEANER  
Year: 2004  
Address: 10519 LIBERTY AVE  
  
Name: SUNRISE CLEANER  
Year: 2005  
Address: 10519 LIBERTY AVE  
  
Name: SUNRISE CLEANER  
Year: 2006  
Address: 10519 LIBERTY AVE  
  
Name: SUNRISE CLEANER  
Year: 2007  
Address: 10519 LIBERTY AVE  
  
Name: SUNRISE CLEANER  
Year: 2008  
Address: 10519 LIBERTY AVE  
  
Name: SUNRISE CLEANER  
Year: 2010  
Address: 10519 LIBERTY AVE  
  
Name: SUNRISE CLEANER  
Year: 2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1014971332

Address: 10519 LIBERTY AVE

N69  
NW  
1/8-1/4  
0.177 mi.  
932 ft.

**SAFEGUARD SELF STORAGE**  
**101-09 103RD AVENUE**  
**OZONE PARK, NY 11417**

UST U004048207  
N/A

Site 2 of 3 in cluster N

Relative:  
Higher

UST:

Actual:  
37 ft.

Facility Id: 2-609896  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated  
Program Type: PBS  
Expiration Date: N/A  
UTM X: 597982.15827999997  
UTM Y: 4504281.3110800004

Affiliation Records:

Site Id: 342711  
Affiliation Type: Owner  
Company Name: SAFEGUARD SELF STORAGE  
Contact Type: PRESIDENT  
Contact Name: MICHAEL ALLETTO, HARBOR ENVIRONMENTAL  
Address1: 11 VETERANS BLVD. #1150  
Address2: Not reported  
City: METARIE  
State: LA  
Zip Code: 70005  
Country Code: 001  
Phone: (504) 838-8000  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/30/2005

Site Id: 342711  
Affiliation Type: Mail Contact  
Company Name: SAFEGUARD SELF STORAGE  
Contact Type: Not reported  
Contact Name: DAVID RAY  
Address1: 101-09 103RD AVENUE  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (225) 268-9598  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/30/2005

Site Id: 342711  
Affiliation Type: On-Site Operator  
Company Name: SAFEGUARD SELF STORAGE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAFEGUARD SELF STORAGE (Continued)**

**U004048207**

Contact Type: Not reported  
Contact Name: DAVID RAY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (225) 268-9598  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/30/2005

Site Id: 342711  
Affiliation Type: Emergency Contact  
Company Name: SAFEGUARD SELF STORAGE  
Contact Type: Not reported  
Contact Name: JOE ROMUNO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (631) 831-4846  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/30/2005

Tank Info:  
Site ID: 342711

Tank Number: 01  
Tank ID: 196351  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:  
L00 - Piping Leak Detection - None  
G00 - Tank Secondary Containment - None  
D00 - Pipe Type - No Piping  
H00 - Tank Leak Detection - None  
E00 - Piping Secondary Containment - None  
J02 - Dispenser - Suction  
A00 - Tank Internal Protection - None  
F00 - Pipe External Protection - None  
K00 - Spill Prevention - None  
B00 - Tank External Protection - None  
C02 - Pipe Location - Underground/On-ground  
I00 - Overfill - None  
Install Date: Not reported  
Capacity Gallons: 6000

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SAFEGUARD SELF STORAGE (Continued)**

**U004048207**

Tightness Test Method: NN  
 Next Test Date: Not reported  
 Date Tank Closed: 03/16/2005  
 Tank Location: 5  
 Tank Type: Steel/carbon steel  
 Date Test: Not reported  
 Registered: True  
 Modified By: KXTANG  
 Last Modified: 03/30/2005

Site ID: 342711

Tank Number: 02  
 Tank ID: 196352  
 Tank Status: Closed - Removed  
 Tank Type: Steel/carbon steel  
 Pipe Model: Not reported

Equipment Records:

- L00 - Piping Leak Detection - None
- G00 - Tank Secondary Containment - None
- D00 - Pipe Type - No Piping
- H00 - Tank Leak Detection - None
- E00 - Piping Secondary Containment - None
- J02 - Dispenser - Suction
- A00 - Tank Internal Protection - None
- F00 - Pipe External Protection - None
- K00 - Spill Prevention - None
- B00 - Tank External Protection - None
- C02 - Pipe Location - Underground/On-ground
- I00 - Overfill - None

Install Date: Not reported  
 Capacity Gallons: 550  
 Tightness Test Method: NN  
 Next Test Date: Not reported  
 Date Tank Closed: 03/16/2005  
 Tank Location: 5  
 Tank Type: Steel/carbon steel  
 Date Test: Not reported  
 Registered: True  
 Modified By: KXTANG  
 Last Modified: 03/30/2005

**N70**  
**NW**  
 1/8-1/4  
 0.177 mi.  
 932 ft.

**CONSTRUCTION SITE**  
**101-09 103RD AVE**  
**OZONE PARK, NY**  
 Site 3 of 3 in cluster N

**LTANKS S106868908**  
**N/A**

**Relative:**  
**Higher**

LTANKS:  
 Site ID: 338946  
 Spill No: 0413103  
 Spill Date: 3/16/2005  
 Spill Cause: Tank 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: 6/7/2005

**Actual:**  
**37 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S106868908**

Facility Addr2: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 4101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 3/16/2005  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 3/16/2005  
Spill Record Last Update: 6/7/2005  
Spiller Name: JOE RONUNO  
Spiller Company: CONSTRUCTION SITE  
Spiller Address: 101-09 103RD AVE  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller County: 001  
Spiller Contact: JOE RONUNO  
Spiller Phone: (931) 831-4846  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 285561  
DEC Memo:

3/16/05 MT///1. An abandon 6000gallon #6 Fuel oil tank found, oil and water mix removed, and cleaned and the tank pulled. Upon removal a puddle of contaminated oil water mix was found in the tank grave. Harbor Environmental proceeded to remove the fluids from the hole.2. After the removal of the #6 oil tank a 550 Gallon gas tank embedded in concrete was revealed, the fluids were removed and the tank is being removed. Harbor Environmental has been retained by Red Hook Construction Group to oversee the remediation. Joe Ramuno 631-844-1500 is the contractor's contact person.03/21/05-SR// Mr. Joe Ramuno was contacted to follow up with the analytical and work report.06/07/05- SR// Received closure report. Based on the soil sample result, closure request acceptable.

Remarks: WHILE REMOVING TANKS FOUND CONTAMINATION: DID NOT KNOW THEY WERE EVEN ON SITE:

Material:

Site ID: 338946  
Operable Unit ID: 1100870  
Operable Unit: 01  
Material ID: 580979  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 338946  
Operable Unit ID: 1100870

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S106868908**

Operable Unit: 01  
 Material ID: 580978  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 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

R71  
 WSW  
 1/8-1/4  
 0.177 mi.  
 934 ft.

**9741 ROCKAWAY BLVD  
 OZONE PARK, NY 11417**  
 Site 3 of 5 in cluster R

EDR US Hist Auto Stat 1015686999  
 N/A

Relative:  
 Lower

EDR Historical Auto Stations:

Name: A & A AUTO ACCESSORIES  
 Year: 1999  
 Address: 9741 ROCKAWAY BLVD

Actual:  
 34 ft.

T72  
 WNW  
 1/8-1/4  
 0.184 mi.  
 971 ft.

**QUEENS FARMS DAIRY  
 103-45 98TH ST  
 OZONE PARK, NY 11417**  
 Site 1 of 2 in cluster T

RCRA NonGen / NLR 1001029003  
 FINDS NYR000012351  
 MANIFEST

Relative:  
 Lower

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007  
 Facility name: QUEENS FARMS DAIRY  
 Facility address: 103-45 98TH ST  
 OZONE PARK, NY 11417  
 EPA ID: NYR000012351  
 Mailing address: 98TH ST  
 OZONE PARK, NY 11417  
 Contact: Not reported  
 Contact address: 98TH ST  
 OZONE PARK, NY 11417  
 Contact country: US  
 Contact telephone: Not reported  
 Contact email: Not reported

Actual:  
 34 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY (Continued)**

**1001029003**

EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JULES KOTCHER  
Owner/operator address: 103-45 98TH ST  
OZONE PARK, NY 11417

Owner/operator country: US  
Owner/operator telephone: (718) 738-7712  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: JULES KOTCHER  
Owner/operator address: 103-45 98TH ST  
OZONE PARK, NY 11417

Owner/operator country: US  
Owner/operator telephone: (718) 738-7712  
Legal status: Private  
Owner/Operator Type: Owner  
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: QUEENS FARMS DAIRY  
Classification: Not a generator, verified

Date form received by agency: 09/28/1995  
Facility name: QUEENS FARMS DAIRY  
Classification: Not a generator, verified

Date form received by agency: 08/25/1995  
Facility name: QUEENS FARMS DAIRY  
Classification: Small Quantity Generator

Violation Status: No violations found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY (Continued)**

**1001029003**

**FINDS:**

Registry ID: 110004517979

**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: NYR000012351  
Country: USA  
Mailing Name: QUEENS FARM DAIRY  
Mailing Contact: ARTHUR P BALDWIN  
Mailing Address: 72 CABOT STREET  
Mailing Address 2: Not reported  
Mailing City: WEST BABYLON  
Mailing State: NY  
Mailing Zip: 11704  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 516-755-4000

Document ID: NYB6591537  
Manifest Status: Completed copy  
Trans1 State ID: 31124PA  
Trans2 State ID: R39387ME  
Generator Ship Date: 950828  
Trans1 Recv Date: 950828  
Trans2 Recv Date: 950901  
TSD Site Recv Date: 950906  
Part A Recv Date: 950915  
Part B Recv Date: 950920  
Generator EPA ID: NYR000012351  
Trans1 EPA ID: CTD982191942  
Trans2 EPA ID: CTD982191942  
TSDF ID: OHD980681571  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00220  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 090  
Year: 95

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**T73** **QUEENS FARMS DAIRY INC**  
**WNW** **103-45 98TH ST**  
**1/8-1/4** **OZONE PARK, NY 11417**  
**0.184 mi.**  
**971 ft.** **Site 2 of 2 in cluster T**

**UST** **U003644405**  
**HIST UST** **N/A**

**Relative:**  
**Lower**

UST:  
Facility Id: 2-032573  
Region: STATE  
DEC Region: 2  
Site Status: Administratively Closed  
Program Type: PBS  
Expiration Date: N/A  
UTM X: 597886.69067000004  
UTM Y: 4503912.7777699996

**Actual:**  
**34 ft.**

Affiliation Records:  
Site Id: 226  
Affiliation Type: Owner  
Company Name: QUEENS FARMS DAIRY INC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 103-45 98TH ST  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 738-7712  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 226  
Affiliation Type: Mail Contact  
Company Name: QUEENS FARMS DAIRY INC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 103-45 98TH ST  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 738-7712  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 226  
Affiliation Type: On-Site Operator  
Company Name: QUEENS FARMS DAIRY INC  
Contact Type: Not reported  
Contact Name: QUEENS FARMS  
Address1: Not reported  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 738-7712  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 226  
Affiliation Type: Emergency Contact  
Company Name: QUEENS FARMS DAIRY INC  
Contact Type: Not reported  
Contact Name: QUEENS FARMS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 738-7712  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Site ID: 226  
  
Tank Number: 001  
Tank ID: 30476  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 001  
Tank ID: 4053  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 002  
Tank ID: 30477  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

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  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 002  
Tank ID: 4054  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 003  
Tank ID: 4055  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 003  
Tank ID: 30478  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 004  
Tank ID: 30479  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
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  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 004  
Tank ID: 4056  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 005  
Tank ID: 4057  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 005  
Tank ID: 30480  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 006  
Tank ID: 4058  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

I00 - Overfill - None  
Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 006  
Tank ID: 30481  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 007  
Tank ID: 30482  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 007  
Tank ID: 4059  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 008  
Tank ID: 30483  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 008  
Tank ID: 4060  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 009  
Tank ID: 30484  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
Install Date: 06/01/1976  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 009  
Tank ID: 4061  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
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  
I00 - Overfill - None  
Install Date: 12/01/1972  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 010  
Tank ID: 4062  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Install Date: 12/01/1972  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 010  
Tank ID: 30485  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H99 - Tank Leak Detection - Other  
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  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Install Date: 08/01/1971  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 011  
Tank ID: 30486  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

Equipment Records:

H99 - Tank Leak Detection - Other  
G03 - Tank Secondary Containment - Vault (w/o access)  
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  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 09/01/1973  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 011  
Tank ID: 4063  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 12/01/1974  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 012  
Tank ID: 4064  
Tank Status: Closed - Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Tank Type:	Steel/carbon steel
Pipe Model:	Not reported
Equipment Records:	D00 - Pipe Type - No Piping G00 - Tank Secondary Containment - None B00 - Tank External Protection - None A00 - Tank Internal Protection - None J02 - Dispenser - Suction H00 - Tank Leak Detection - None C00 - Pipe Location - No Piping F00 - Pipe External Protection - None I00 - Overfill - None
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	08/01/1995
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	226
Tank Number:	012
Tank ID:	30487
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported
Equipment Records:	H99 - Tank Leak Detection - Other 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 B00 - Tank External Protection - None G03 - Tank Secondary Containment - Vault (w/o access) I00 - Overfill - None
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	08/01/1995
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	3721
Tank Number:	013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Tank ID: 4065  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 013  
Tank ID: 30488  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Tank Number: 014  
Tank ID: 4066  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Install Date: 12/01/1975  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Affiliation Records:

Site Id: 3721  
Affiliation Type: Owner  
Company Name: NINETY EIGHT & LIBERTY CORP  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 103-45 98TH ST  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417  
Country Code: 001  
Phone: (718) 843-7077  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 3721  
Affiliation Type: Mail Contact  
Company Name: NINETY EIGHT & LIBERTY CORP  
Contact Type: Not reported  
Contact Name: HYMAN SLATER  
Address1: 103-45 98TH ST  
Address2: Not reported  
City: OZONE PARK  
State: NY  
Zip Code: 11417

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Country Code: 001  
Phone: (718) 843-7077  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 3721  
Affiliation Type: On-Site Operator  
Company Name: QUEENS FARMS DAIRY INC  
Contact Type: Not reported  
Contact Name: QUEENS FARMS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 738-7712  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 3721  
Affiliation Type: Emergency Contact  
Company Name: NINETY EIGHT & LIBERTY CORP  
Contact Type: Not reported  
Contact Name: MORRIS BOSSMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 376-3852  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:  
Site ID: 226

Tank Number: 001  
Tank ID: 30476  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 001  
Tank ID: 4053  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 002  
Tank ID: 30477  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 002  
Tank ID: 4054  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 003  
Tank ID: 4055  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 003  
Tank ID: 30478  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 004  
Tank ID: 30479  
Tank Status: Closed - Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
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  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 004  
Tank ID: 4056  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Tank ID: 4057  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 005  
Tank ID: 30480  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Tank Number: 006  
Tank ID: 4058  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 006  
Tank ID: 30481  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Site ID: 226

Tank Number: 007  
Tank ID: 30482  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 007  
Tank ID: 4059  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Last Modified: 03/04/2004  
Site ID: 226  
Tank Number: 008  
Tank ID: 30483  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 008  
Tank ID: 4060  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 009  
Tank ID: 30484  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: 06/01/1976  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 009  
Tank ID: 4061  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
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  
I00 - Overfill - None

Install Date: 12/01/1972  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 010  
Tank ID: 4062  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Install Date: 12/01/1972  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 010  
Tank ID: 30485  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H99 - Tank Leak Detection - Other  
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  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Install Date: 08/01/1971  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 011  
Tank ID: 30486  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H99 - Tank Leak Detection - Other  
G03 - Tank Secondary Containment - Vault (w/o access)  
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  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 09/01/1973  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 011  
Tank ID: 4063  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: 12/01/1974  
Capacity Gallons: 4000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 012  
Tank ID: 4064  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 012  
Tank ID: 30487  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

H99 - Tank Leak Detection - Other  
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  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 013  
Tank ID: 4065  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 226

Tank Number: 013  
Tank ID: 30488  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
H99 - Tank Leak Detection - Other  
C00 - Pipe Location - No Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

F00 - Pipe External Protection - None  
I00 - Overfill - None  
Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 3721

Tank Number: 014  
Tank ID: 4066  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None  
Install Date: 12/01/1975  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1995  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

HIST UST:

PBS Number: 2-032573  
SPDES Number: Not reported  
Emergency Contact: QUEENS FARMS  
Emergency Telephone: (718) 738-7712  
Operator: QUEENS FARMS  
Operator Telephone: (718) 738-7712  
Owner Name: QUEENS FARMS DAIRY INC  
Owner Address: 103-45 98TH ST  
Owner City,St,Zip: OZONE PARK, NY 11417  
Owner Telephone: (718) 738-7712  
Owner Type: Not reported  
Owner Subtype: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Mailing Name: QUEENS FARMS DAIRY INC  
Mailing Address: 103-45 98TH ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: OZONE PARK, NY 11417  
Mailing Contact: Not reported  
Mailing Telephone: (718) 738-7712  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons)  
and Subpart 360-14.  
Facility Addr2: 103045 98TH ST  
SWIS ID: 6301  
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: 08/19/1992  
Expiration Date: 10/29/1997  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 63  
Town or City: 01  
Region: 2  
  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

QUEENS FARMS DAIRY INC (Continued)

U003644405

Updated: True  
Lat/long: Not reported

Tank Id: 002  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 003  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Tank Id: 004  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 005  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 006  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 007  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 008  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

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: None  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 009  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19760601  
Capacity (gals): 4000  
Product Stored: DIESEL  
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: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 010  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19710801  
Capacity (gals): 4000  
Product Stored: LEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 011  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19730901  
Capacity (gals): 4000  
Product Stored: DIESEL  
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: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 012  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: STEEL/IRON  
Pipe Internal: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUEENS FARMS DAIRY INC (Continued)**

**U003644405**

Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 013  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
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: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: Other  
Overfill Prot: Not reported  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 08/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

R74  
WSW  
1/8-1/4  
0.188 mi.  
992 ft.

9709 ROCKAWAY BLVD  
OZONE PARK, NY 11417

Site 4 of 5 in cluster R

EDR US Hist Auto Stat 1015686461  
N/A

Relative:  
Lower

EDR Historical Auto Stations:

Name: LIBERTY SERVICE STATION INC  
Year: 2001  
Address: 9709 ROCKAWAY BLVD

Actual:  
33 ft.

Name: LIBERTY SERVICE STATION INC  
Year: 2002  
Address: 9709 ROCKAWAY BLVD

Name: LIBERTY SERVICE STATION INC  
Year: 2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015686461

Address: 9709 ROCKAWAY BLVD  
Name: LIBERTY SERVICE STATION INC  
Year: 2005  
Address: 9709 ROCKAWAY BLVD  
Name: LIBERTY SERVICE STATION INC  
Year: 2007  
Address: 9709 ROCKAWAY BLVD  
Name: LIBERTY SERVICE STATION INC  
Year: 2009  
Address: 9709 ROCKAWAY BLVD

S75  
ENE  
1/8-1/4  
0.188 mi.  
994 ft.

10417 106TH ST  
OZONE PARK, NY 11417

Site 2 of 3 in cluster S

Relative:  
Higher

EDR Historical Auto Stations:

Name: STEVE S AUTO REPAIR LYNBROOK INC  
Year: 2007  
Address: 10417 106TH ST

Actual:  
39 ft.

EDR US Hist Auto Stat 1015137323  
N/A

S76  
ENE  
1/8-1/4  
0.193 mi.  
1017 ft.

10602 LIBERTY AVE  
OZONE PARK, NY 11417

Site 3 of 3 in cluster S

Relative:  
Higher

EDR Historical Cleaners:

Name: E & R LAUNDROMAT  
Year: 2010  
Address: 10602 LIBERTY AVE

Actual:  
40 ft.

Name: E & R LAUNDROMAT  
Year: 2011  
Address: 10602 LIBERTY AVE

Name: E & R LAUNDROMAT  
Year: 2012  
Address: 10602 LIBERTY AVE

EDR US Hist Cleaners 1014971929  
N/A

R77  
WSW  
1/8-1/4  
0.195 mi.  
1032 ft.

AMMOCO STATION  
9702 ROCKAWAY BLVD  
QUEENS, NY

Site 5 of 5 in cluster R

Relative:  
Lower

LTANKS:

Site ID: 224197  
Spill No: 9809619  
Spill Date: 10/30/1998  
Spill Cause: Tank Overfill

Actual:  
33 ft.

LTANKS S103558225  
HIST LTANKS N/A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMMOCO STATION (Continued)**

**S103558225**

Spill Source: Gasoline Station  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 11/6/1998  
Facility Addr2: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 4101  
Investigator: SACCACIO  
Referred To: Not reported  
Reported to Dept: 10/30/1998  
CID: 322  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 10/30/1998  
Spill Record Last Update: 2/10/2003  
Spiller Name: ISREAL VAZQUEZ  
Spiller Company: AMMOCO  
Spiller Address: 125 APPOLO ST  
Spiller City,St,Zip: BROOKLYN, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 185295  
DEC Memo: Not reported  
Remarks: driver was filling station tanks and overfilled - spill pads used to clean up and fd on scene

**Material:**

Site ID: 224197  
Operable Unit ID: 1066865  
Operable Unit: 01  
Material ID: 313522  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 75  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMMOCO STATION (Continued)**

**S103558225**

Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported

**HIST LTANKS:**

Region of Spill: 2  
Spill Number: 9809619  
Spill Date: 10/30/1998  
Spill Time: 18:30  
Spill Cause: Tank Overfill  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Gas Station  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 11/06/98  
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: 10/30/98  
Reported to Department Time: 20:02  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: AMMOCO  
Spiller Address: 125 APPOLO ST  
Spiller City,St,Zip: BROOKLYN, NY  
Spiller Cleanup Date: / /  
Facility Contact: ISREAL VAZQUEZ  
Facility Phone: (718) 389-4910  
Facility Extention: Not reported  
Spill Notifier: Responsible Party  
PBS Number: Not reported  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 10/30/98  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 11/06/98  
Is Updated: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMMOCO STATION (Continued)**

**S103558225**

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: 75  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: True  
Material: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929

DEC Remarks: 11/6/98 - Saccacio - On 10/30/98 at 20:04 DEC Saccacio) received the spill report the spill hotline told him that the FDNY also called and they a mentioned something about contaminated soil. He then called the spill location but did not get anyoneso he called the caller and spoke with Israel Va que who told him that they were sending a representative to meet the coast guard on scene. DEC Saccacio) responded to the scene. 20:45 On scene DEC Saccacio) found no free product on the ground and some speedy dry spread over a small area. There also was a stain left behind from a spill. Form the looks of the stain, the spill was approximately 12 gallons. There was also a yellow 55-gallon drum that contained unknown contents. 20:50 DEPTwano) and Rod O Neill, fleet manager for Amoco arrived. DEC Saccacio) checked the scene and found no other evidence of spillage. 21:00 P.O. Hobson of the USCG arrives. 21:20 DEC Saccacio) calls the FDNY Ha mat to get information about spill.They refer him to the 51 battalion who did the response. DEC Saccacio) spoke with Chief s Aid Ralph Nichols of the 51 battalion. He said that when they had arrived they found the gasoline soaked pads in the nearby dumpster. He said they fished the pad out of the dumpster and put it into the drum. He said that the dirt that was mentioned to the spill hotline was the dirt that was on top of the concrete. DEC Saccacio) asked Rod to dispose of the rest of the materials in the dumpster alongthe speedy dry and dirt that was still in the concrete. He also asked Rod to send him a statement that he completed the cleanup and a copy of the waste manifests. On 11/05/98 DEC Saccacio) receives the waste manifest and a cleanup statement. The latter was incomplete. Spificically it was not signed and it didn t summari e the cleanup measures. On 11/16/98 DEC Saccacio) called Amoco and requested a new statement.

Spill Cause: driver was filling station tanks and overfilled - spill pads used to clean up and fd on scene

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**U78**      **ENGINE 285 / LADDER 142**  
**WNW**      **103-17 98TH STREET**  
**1/8-1/4**      **OZONE PARK, NY 11417**  
**0.211 mi.**  
**1116 ft.**      **Site 1 of 3 in cluster U**

**AST**      **U003394383**  
**HIST AST**      **N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated  
Facility Id: 2-358215  
Program Type: PBS  
UTM X: 597886.77226  
UTM Y: 4503913.0008899998  
Expiration Date: N/A

**Actual:**  
**35 ft.**

Affiliation Records:  
Site Id: 17963  
Affiliation Type: Owner  
Company Name: FIRE DEPARTMENT  
Contact Type: ASST. COMMISSIONER  
Contact Name: JOSEPH M. MASTROPIETRO  
Address1: 9 METROTECH  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11201-3857  
Country Code: 001  
Phone: (718) 999-2094  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/23/2012

Site Id: 17963  
Affiliation Type: Mail Contact  
Company Name: BUILDINGS MAINTENANCE DIVISION  
Contact Type: Not reported  
Contact Name: JOSEPH M. MASTROPIETRO, ASST. COMMISSIONER  
Address1: FIRE DEPARTMENT  
Address2: 48-34 35TH STREET  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 784-6510  
Phone Ext: Not reported  
Email: MASTROJ@FDNY.NYC.GOV  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/29/2009

Site Id: 17963  
Affiliation Type: On-Site Operator  
Company Name: ENGINE 285 / LADDER 142  
Contact Type: Not reported  
Contact Name: COMPANY OFFICER  
Address1: Not reported  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENGINE 285 / LADDER 142 (Continued)**

**U003394383**

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 476-6285  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 17963  
Affiliation Type: Emergency Contact  
Company Name: FIRE DEPARTMENT  
Contact Type: Not reported  
Contact Name: EOC/NOTIFICATION DESK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 999-2094  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/23/2012

Tank Info:

Tank Number: 001  
Tank Id: 35135

Equipment Records:

H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 03/01/1976  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 08/27/2009  
Register: True  
Modified By: NRLOMBAR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENGINE 285 / LADDER 142 (Continued)**

**U003394383**

Last Modified: 12/29/2009

Tank Number: 002  
Tank Id: 35136

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
I02 - Overfill - High Level Alarm  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping  
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/01/1996  
Capacity Gallons: 550  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 12/29/2009

HIST AST:

PBS Number: 2-358215  
SWIS Code: 6301  
Operator: OFFICER ON DUTY  
Facility Phone: (718) 476-6285  
Facility Addr2: 103017 98TH STREET  
Facility Type: OTHER  
Emergency: OFFICER ON DUTY  
Emergency Tel: (718) 403-1580  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NEW YORK CITY FIRE DEPARTMENT  
Owner Address: 9 METRO TECH  
Owner City,St,Zip: BROOKLYN, NY 11201-3857  
Federal ID: Not reported  
Owner Tel: (718) 999-2094  
Owner Type: Local Government  
Owner Subtype: C  
Mailing Contact: DIRECTOR  
Mailing Name: NEW YORK CITY FIRE DEPARTMENT-BUILDING MAINTENANCE  
Mailing Address: 48-34 35TH STREET  
Mailing Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENGINE 285 / LADDER 142 (Continued)**

**U003394383**

Mailing City,St,Zip: LONG ISLAND CITY, NY 11101  
Mailing Telephone: (718) 784-6510  
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.

Certification Flag: False  
Certification Date: 09/04/1998  
Expiration: 07/28/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3050  
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: 63  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: 19760301  
Capacity (Gal): 2500  
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  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: 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: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Tank ID: 002  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: 19960601  
Capacity (Gal): 550  
Product Stored: DIESEL

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ENGINE 285 / LADDER 142 (Continued)**

**U003394383**

Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: 01  
 Pipe Location: Aboveground  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Epoxy Liner  
 Pipe External: 01  
 Tank Containment: Excavation/Tranch Liner  
 Leak Detection: 04  
 Overfill Protection: 24  
 Dispenser Method: 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: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**U79**  
**WNW**  
**1/8-1/4**  
**0.218 mi.**  
**1151 ft.**

**VOGUES MFG CO INC**  
**103-11 98TH ST**  
**OZONE PARK, NY 11417**

**RCRA NonGen / NLR** **1000424657**  
**FINDS** **NYD001213826**

**Site 2 of 3 in cluster U**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**35 ft.**

Date form received by agency: 01/01/2007  
 Facility name: VOGUES MFG CO INC  
 Facility address: 103-11 98TH ST  
 OZONE PARK, NY 11417  
 EPA ID: NYD001213826  
 Mailing address: 98TH ST  
 OZONE PARK, NY 11417  
 Contact: Not reported  
 Contact address: 98TH ST  
 OZONE PARK, NY 11417  
 Contact country: US  
 Contact telephone: Not reported  
 Contact email: Not reported  
 EPA Region: 02  
 Land type: Facility is not located on Indian land. Additional information is not known.  
 Classification: Non-Generator  
 Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: RADAR ASSOCIATES INC & FRED VOGES  
 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VOGUES MFG CO INC (Continued)**

**1000424657**

Owner/operator name: RADAR ASSOCIATES INC & FRED VOGES  
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

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: VOGUES MFG CO INC  
Classification: Not a generator, verified

Date form received by agency: 05/10/1996  
Facility name: VOGUES MFG CO INC  
Classification: Not a generator, verified

Date form received by agency: 06/26/1980  
Facility name: VOGUES MFG CO INC  
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 01/02/1985  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 12/07/1983  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

FINDS:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VOGUES MFG CO INC (Continued)**

**1000424657**

Registry ID: 110004332598

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.

**U80**  
**WNW**  
**1/8-1/4**  
**0.218 mi.**  
**1151 ft.**

**THE VOGES MFG. COMPANY INC.**  
**103-11 98TH STREET**  
**OZONE PARK, NY 11417**

**UST U003065808**  
**HIST UST N/A**

**Site 3 of 3 in cluster U**

**Relative:**  
**Higher**

UST:

Facility Id: 2-082090  
 Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated  
 Program Type: PBS  
 Expiration Date: N/A  
 UTM X: 597886.8567699995  
 UTM Y: 4503913.002009999

**Actual:**  
**35 ft.**

Affiliation Records:

Site Id: 1754  
 Affiliation Type: Owner  
 Company Name: THE VOGES MFG. COMPANY INC.  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 103-11 98TH STREET  
 Address2: Not reported  
 City: OZONE PARK  
 State: NY  
 Zip Code: 11417  
 Country Code: 001  
 Phone: (718) 843-7100  
 Phone Ext: Not reported  
 Email: Not reported  
 Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Site Id: 1754  
 Affiliation Type: Mail Contact  
 Company Name: THE VOGES MFG. COMPANY INC.  
 Contact Type: Not reported  
 Contact Name: ROBERT VOGES  
 Address1: 103-11 98TH STREET  
 Address2: Not reported  
 City: OZONE PARK  
 State: NY  
 Zip Code: 11417  
 Country Code: 001  
 Phone: (718) 843-7100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE VOGES MFG. COMPANY INC. (Continued)**

**U003065808**

Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1754  
Affiliation Type: On-Site Operator  
Company Name: THE VOGES MFG. COMPANY INC.  
Contact Type: Not reported  
Contact Name: ROBERT VOGES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 843-7100  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1754  
Affiliation Type: Emergency Contact  
Company Name: THE VOGES MFG. COMPANY INC.  
Contact Type: Not reported  
Contact Name: ROBERT VOGES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 843-7100  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:  
Site ID: 1754

Tank Number: 098  
Tank ID: 2966  
Tank Status: Closed - In Place  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
B00 - Tank External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE VOGES MFG. COMPANY INC. (Continued)**

**U003065808**

J02 - Dispenser - Suction  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
Install Date: 12/01/1945  
Capacity Gallons: 3000  
Tightness Test Method: 03  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1996  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 11/01/1991  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 1754

Tank Number: 099  
Tank ID: 2967  
Tank Status: Closed - In Place  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
B00 - Tank External Protection - None  
Install Date: 12/01/1945  
Capacity Gallons: 1500  
Tightness Test Method: 03  
Next Test Date: Not reported  
Date Tank Closed: 02/01/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: 11/01/1991  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

HIST UST:

PBS Number: 2-082090  
SPDES Number: Not reported  
Emergency Contact: ROBERT VOGES  
Emergency Telephone: (718) 843-7100  
Operator: ROBERT VOGES  
Operator Telephone: (718) 843-7100  
Owner Name: THE VOGES MFG. COMPANY INC.  
Owner Address: 103-11 98TH STREET  
Owner City,St,Zip: OZONE PARK, NY 11417  
Owner Telephone: (718) 843-7100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE VOGES MFG. COMPANY INC. (Continued)**

**U003065808**

Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: THE VOGES MFG. COMPANY INC.  
Mailing Address: 103-11 98TH STREET  
Mailing Address 2: Not reported  
Mailing City, St, Zip: OZONE PARK, NY 11417  
Mailing Contact: ROBERT VOGES  
Mailing Telephone: (718) 843-7100  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons)  
and Subpart 360-14.  
Facility Addr2: 103011 98TH ST  
SWIS ID: 6301  
Old PBS Number: Not reported  
Facility Type: MANUFACTURING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 05/28/1993  
Expiration Date: 03/24/1997  
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: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 63  
Town or City: 01  
Region: 2  
  
Tank Id: 098  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place  
Install Date: 19451201  
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: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: Other  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: 11/01/1991  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 02/01/1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE VOGES MFG. COMPANY INC. (Continued)**

**U003065808**

Test Method: Horner EZ Check  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 099  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place  
Install Date: 19451201  
Capacity (gals): 1500  
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: None  
Leak Detection: Other  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: 11/01/1991  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 02/01/1993  
Test Method: Horner EZ Check  
Deleted: False  
Updated: True  
Lat/long: Not reported

**V81**      **103-55 97TH STREET**  
**West**    **103-55 97TH STREET**  
**1/8-1/4**   **OZONE PARK, NY 11417**  
**0.221 mi.**  
**1167 ft.**   **Site 1 of 2 in cluster V**

**AST**    **U003392399**  
**HIST AST**    **N/A**

**Relative:**    **AST:**  
**Lower**        Region:            STATE  
                  DEC Region:        2  
**Actual:**       Site Status:        Active  
**32 ft.**        Facility Id:        2-365564  
                  Program Type:      PBS  
                  UTM X:            597808.15174  
                  UTM Y:            4504061.6282000002  
                  Expiration Date:   2018/01/07

**Affiliation Records:**  
Site Id:            18571  
Affiliation Type:   Owner  
Company Name:     GEORGE SANTIS  
Contact Type:      OWNER  
Contact Name:      GEORGE SANTIS  
Address1:           73-14 21ST AVENUE  
Address2:           Not reported  
City:                JACKSON HEIGHTS  
State:                NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-55 97TH STREET (Continued)

U003392399

Zip Code: 11370  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 10/23/2007

Site Id: 18571  
Affiliation Type: Mail Contact  
Company Name: GEORGE SANTIS  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 73-14 21ST AVE  
Address2: Not reported  
City: JACKSON HEIGHTS  
State: NY  
Zip Code: 11370  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18571  
Affiliation Type: On-Site Operator  
Company Name: 103-55 97TH STREET  
Contact Type: Not reported  
Contact Name: GEORGE SANTIS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18571  
Affiliation Type: Emergency Contact  
Company Name: GEORGE SANTIS  
Contact Type: Not reported  
Contact Name: GEORGE SANTIS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 721-8106

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-55 97TH STREET (Continued)

U003392399

Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 24508

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1928  
Capacity Gallons: 5000  
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: 10/23/2007

HIST AST:

PBS Number: 2-365564  
SWIS Code: 6301  
Operator: GEORGE SANTIS  
Facility Phone: (718) 721-8106  
Facility Addr2: 103055 97TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: GEORGE SANTIS  
Emergency Tel: (718) 721-8106  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: GEORGE SANTIS  
Owner Address: 73-14 21ST AVENUE  
Owner City,St,Zip: JACKSON HEIGHTS, NY 11370  
Federal ID: Not reported  
Owner Tel: (718) 721-8106  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-55 97TH STREET (Continued)

U003392399

Mailing Name: GEORGE SANTIS  
Mailing Address: 73-14 21ST AVE  
Mailing Address 2: Not reported  
Mailing City, St, Zip: JACKSON HEIGHTS, NY 11370  
Mailing Telephone: (718) 721-8106  
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.  
  
Certification Flag: False  
Certification Date: 11/24/1997  
Expiration: 01/07/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
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: 63  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
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  
Tank Containment: None  
Leak Detection: 9  
Overfill Protection: 4  
Dispenser Method: 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: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**82**  
**WSW**  
**1/8-1/4**  
**0.223 mi.**  
**1178 ft.**

**CLOSED-LACKOF RECENT INFO**  
**98-21 ROCKAWAY BLVD**  
**NEW YORK CITY, NY**

**LTANKS** **S100146052**  
**HIST LTANKS** **N/A**

**Relative:**  
**Lower**

**LTANKS:**

**Actual:**  
**33 ft.**

Site ID: 182100  
 Spill No: 9002397  
 Spill Date: 5/31/1990  
 Spill Cause: Tank Test Failure  
 Spill Source: Gasoline Station  
 Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Spill Closed Dt: 3/4/2003  
 Facility Addr2: Not reported  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 4101  
 Investigator: ADMIN. CLOSED  
 Referred To: Not reported  
 Reported to Dept: 6/1/1990  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: True  
 Remediation Phase: 0  
 Date Entered In Computer: 6/1/1990  
 Spill Record Last Update: 3/4/2003  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 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: 283124  
 DEC Memo: Not reported  
 Remarks: (8) 550 GAL TANKS MANIFOLDED, 550 TESTED VAC-U TECH, GROSS LEAK, ISOLATE JUST ONE TANK & RETEST.ADMIN. CLOSED

**Material:**

Site ID: 182100  
 Operable Unit ID: 942245  
 Operable Unit: 01  
 Material ID: 437136  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: -1  
 Units: Pounds  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOSED-LACKOF RECENT INFO (Continued)**

**S100146052**

Tank Test:

Site ID: 182100  
Spill Tank Test: 1537143  
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

HIST LTANKS:

Region of Spill: 2  
Spill Number: 9002397  
Spill Date: 05/31/1990  
Spill Time: 21:00  
Spill Cause: Tank Test Failure  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Gas Station  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: / /  
Cleanup Ceased: / /  
Cleanup Meets Standard: False  
Investigator: SULLIVAN  
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: 06/01/90  
Reported to Department Time: 09:03  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spiller Cleanup Date: / /  
Facility Contact: Not reported  
Facility Phone: (718) 729-6500  
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: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOSED-LACKOF RECENT INFO (Continued)**

**S100146052**

Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 06/01/90  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 07/03/95  
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: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: Not reported  
Spill Cause: 8) 550 GAL TANKS MANIFOLDED, 550 TESTED VAC-U TECH, GROSS LEAK, ISOLATE JUST ONE TANK RETEST.

**W83**  
**WSW**  
**1/8-1/4**  
**0.226 mi.**  
**1192 ft.**

**9610 LIBERTY AVE**  
**OZONE PARK, NY 11417**  
**Site 1 of 5 in cluster W**

**EDR US Hist Auto Stat 1015684942**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**32 ft.**

**EDR Historical Auto Stations:**  
Name: HOWARD BEACH CAR SVC  
Year: 2010  
Address: 9610 LIBERTY AVE

**V84**  
**West**  
**1/8-1/4**  
**0.227 mi.**  
**1201 ft.**

**103-45 97 STREET**  
**103-45 97 STREET**  
**OZONE PARK, NY 11417**  
**Site 2 of 2 in cluster V**

**AST U003391699**  
**HIST AST N/A**

**Relative:**  
**Lower**  
**Actual:**  
**33 ft.**

**AST:**  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-361399  
Program Type: PBS  
UTM X: 597799.49459999998  
UTM Y: 4504083.6083800001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-45 97 STREET (Continued)

U003391699

Expiration Date: 2017/12/14  
Affiliation Records:  
Site Id: 18242  
Affiliation Type: Owner  
Company Name: GEORGE SANTIS  
Contact Type: OWNER  
Contact Name: GEORGE SANTIS  
Address1: 73-14 21 AVENUE  
Address2: Not reported  
City: JACKSON HEIGHTS  
State: NY  
Zip Code: 11370  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: kakyer  
Date Last Modified: 10/3/2007

Site Id: 18242  
Affiliation Type: Mail Contact  
Company Name: GEORGE SANTIS  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 73-14 21ST AVENUE  
Address2: Not reported  
City: JACKSON HEIGHTS  
State: NY  
Zip Code: 11370  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18242  
Affiliation Type: On-Site Operator  
Company Name: 103-55 97TH STREET  
Contact Type: Not reported  
Contact Name: GEORGE SANTIS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18242

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-45 97 STREET (Continued)

U003391699

Affiliation Type: Emergency Contact  
Company Name: GEORGE SANTIS  
Contact Type: Not reported  
Contact Name: GEORGE SANTIS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 22116

Equipment Records:

B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
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  
H99 - Tank Leak Detection - Other

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1931  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: kaker  
Last Modified: 10/03/2007

HIST AST:

PBS Number: 2-361399  
SWIS Code: 6301  
Operator: GEORGE SANTIS  
Facility Phone: (718) 721-8106  
Facility Addr2: 103045 97 STREET  
Facility Type: APARTMENT BUILDING  
Emergency: GEORGE SANTIS  
Emergency Tel: (718) 721-8106  
Old PBSNO: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-45 97 STREET (Continued)

U003391699

Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: GEORGE SANTIS  
Owner Address: 73-14-21 AVENUE  
Owner City,St,Zip: JACKSON HEIGHTS, NY 11370  
Federal ID: Not reported  
Owner Tel: (718) 721-8106  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: GEORGE SANTIS  
Mailing Address: 73-14-21 AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: JACKSON HEIGHTS, NY 11370  
Mailing Telephone: (718) 721-8106  
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.  
  
Certification Flag: False  
Certification Date: 11/06/1997  
Expiration: 12/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
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: 63  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
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  
Tank Containment: None  
Leak Detection: 9  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-45 97 STREET (Continued)

U003391699

Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

X85 PBLIC SCHOOL 137-QUEENS  
SSW 109-01 98TH ST  
1/8-1/4 OZONE PARK, NY 11417  
0.228 mi.  
1205 ft. Site 1 of 3 in cluster X

AST A100304650  
N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-610568  
Program Type: PBS  
UTM X: 598030.37176999997  
UTM Y: 4503702.1688999999  
Expiration Date: 2017/10/02

Actual:  
45 ft.

Affiliation Records:  
Site Id: 381580  
Affiliation Type: Owner  
Company Name: NYC DEPT. OF EDUCATION  
Contact Type: MGR  
Contact Name: MUNENDRA SHARMA  
Address1: 44-36 VERNON BLVD  
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: MSBAPTIS  
Date Last Modified: 12/21/2012

Site Id: 381580  
Affiliation Type: Mail Contact  
Company Name: NYC DEPT. OF EDUCATION  
Contact Type: MGR  
Contact Name: JAMES MERLO  
Address1: 44-36 VERNON BLVD  
Address2: Not reported  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5738  
Phone Ext: Not reported  
Email: MSHARMA@SCHOOLS.NYC.GOV  
Fax Number: Not reported  
Modified By: BVCAMPBE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PBLIC SCHOOL 137-QUEENS (Continued)**

**A100304650**

Date Last Modified: 8/10/2010  
  
Site Id: 381580  
Affiliation Type: On-Site Operator  
Company Name: PBLIC SCHOOL 137-QUEENS  
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: msbaptis  
Date Last Modified: 5/17/2007

Site Id: 381580  
Affiliation Type: Emergency Contact  
Company Name: NYC DEPT. 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: 7/12/2011

Tank Info:

Tank Number: 001  
Tank Id: 217265

Equipment Records:

I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
L00 - Piping Leak Detection - None

Tank Location: 3

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PBLIC SCHOOL 137-QUEENS (Continued)**

**A100304650**

Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/02/2002  
Capacity Gallons: 10000  
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: 05/17/2007

Tank Number: 002  
Tank Id: 217266

Equipment Records:

I02 - Overfill - High Level Alarm  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction  
L00 - Piping Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/20/2002  
Capacity Gallons: 300  
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: 05/17/2007

86  
ESE  
1/8-1/4  
0.234 mi.  
1234 ft.

10757 106TH ST  
OZONE PARK, NY 11417

EDR US Hist Cleaners 1014972749  
N/A

Relative:  
Higher

EDR Historical Cleaners:

Name: WHITE & BRIGHT LAUNDROMAT INC  
Year: 2002  
Address: 10757 106TH ST

Actual:  
39 ft.

Name: WHITE & BRIGHT LAUNDROMAT INC  
Year: 2003  
Address: 10757 106TH ST

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**87**  
**West**  
**1/8-1/4**  
**0.234 mi.**  
**1238 ft.**

**103-35 97 STREET**  
**103-35 97 STREET**  
**OZONE PARK, NY 11417**

**AST** **U003391700**  
**HIST AST** **N/A**

**Relative:**  
**Lower**

AST:

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-361402  
 Program Type: PBS  
 UTM X: 597790.75300000003  
 UTM Y: 4504105.5874500005  
 Expiration Date: 2017/12/14

**Actual:**  
**33 ft.**

Affiliation Records:

Site Id: 18243  
 Affiliation Type: Owner  
 Company Name: GEORGE SANTIS  
 Contact Type: OWNER  
 Contact Name: GEORGE SANTIS  
 Address1: 73-14-21ST AVENUE  
 Address2: Not reported  
 City: JACKSON HEIGHTS  
 State: NY  
 Zip Code: 11370  
 Country Code: 001  
 Phone: (718) 721-8106  
 Phone Ext: Not reported  
 Email: Not reported  
 Fax Number: Not reported  
 Modified By: KXTANG  
 Date Last Modified: 10/12/2007

Site Id: 18243  
 Affiliation Type: Mail Contact  
 Company Name: GEORGE SANTIS  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 73-14 21ST AVENUE  
 Address2: Not reported  
 City: JACKSON HEIGHTS  
 State: NY  
 Zip Code: 11370  
 Country Code: 001  
 Phone: (718) 721-8106  
 Phone Ext: Not reported  
 Email: Not reported  
 Fax Number: Not reported  
 Modified By: KAKYER  
 Date Last Modified: 12/19/2012

Site Id: 18243  
 Affiliation Type: On-Site Operator  
 Company Name: 103-35 97 STREET  
 Contact Type: Not reported  
 Contact Name: G SANTIS  
 Address1: Not reported  
 Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-35 97 STREET (Continued)

U003391700

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18243  
Affiliation Type: Emergency Contact  
Company Name: GEORGE SANTIS  
Contact Type: Not reported  
Contact Name: G SANTIS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 721-8106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 22117

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
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  
H99 - Tank Leak Detection - Other  
B00 - Tank External Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1931  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-35 97 STREET (Continued)

U003391700

Last Modified: 10/12/2007

HIST AST:

PBS Number: 2-361402  
SWIS Code: 6301  
Operator: G SANTIS  
Facility Phone: (718) 721-8106  
Facility Addr2: 103035 97 STREET  
Facility Type: APARTMENT BUILDING  
Emergency: G SANTIS  
Emergency Tel: (718) 721-8106  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: GEORGE SANTIS  
Owner Address: 73-14-21ST AVENUE  
Owner City,St,Zip: JACKSON HEIGHTS, NY 11370  
Federal ID: Not reported  
Owner Tel: (718) 721-8106  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: GEORGE SANTIS  
Mailing Address: 73-14-21ST AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: JACKSON HEIGHTS, NY 11370  
Mailing Telephone: (718) 721-8106  
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.  
  
Certification Flag: False  
Certification Date: 11/06/1997  
Expiration: 12/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
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: 63  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U S COLLISION INC (Continued)**

**1000140250**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: US COLLISION INC  
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: US COLLISION INC  
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  
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: U S COLLISION INC  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Facility name: U S COLLISION INC  
Classification: Not a generator, verified

Date form received by agency: 04/03/1989  
Facility name: U S COLLISION INC  
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U S COLLISION INC (Continued)**

**1000140250**

Registry ID: 110004358604

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.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID: NYD052207271  
Country: USA  
Mailing Name: U S COLLISION INCATTN:RONALD BAUER  
Mailing Contact: U S COLLISION INCATTN:RONALD BAUER  
Mailing Address: 109-14 98TH ST  
Mailing Address 2: Not reported  
Mailing City: OZONE PARK  
Mailing State: NY  
Mailing Zip: 11416  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 718-835-4656

Document ID: NYC1314584  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: MT9351  
Trans2 State ID: Not reported  
Generator Ship Date: 920422  
Trans1 Recv Date: 920422  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920427  
Part A Recv Date: Not reported  
Part B Recv Date: 920529  
Generator EPA ID: NYD052207271  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
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: NYC1887849  
Manifest Status: Completed copy  
Trans1 State ID: LP3931NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U S COLLISION INC (Continued)**

**1000140250**

Trans2 State ID: Not reported  
Generator Ship Date: 921030  
Trans1 Recv Date: 921030  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 921030  
Part A Recv Date: Not reported  
Part B Recv Date: 921113  
Generator EPA ID: NYD052207271  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NYD980785760  
Waste Code: F005 - UNKNOWN  
Quantity: 00123  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 92

Document ID: NYC1786678  
Manifest Status: Completed copy  
Trans1 State ID: MT9351  
Trans2 State ID: Not reported  
Generator Ship Date: 920714  
Trans1 Recv Date: 920714  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920714  
Part A Recv Date: Not reported  
Part B Recv Date: 920724  
Generator EPA ID: NYD052207271  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NYD980785760  
Waste Code: F005 - UNKNOWN  
Quantity: 00150  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 92

Document ID: NYC1836426  
Manifest Status: Completed copy  
Trans1 State ID: LP3931NY  
Trans2 State ID: Not reported  
Generator Ship Date: 920903  
Trans1 Recv Date: 920903  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920903  
Part A Recv Date: Not reported  
Part B Recv Date: 920916  
Generator EPA ID: NYD052207271  
Trans1 EPA ID: ILD051060408

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U S COLLISION INC (Continued)**

**1000140250**

Trans2 EPA ID: Not reported  
TSDF ID: NYD980785760  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
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: NYC2020296  
Manifest Status: Completed copy  
Trans1 State ID: LP3931NY  
Trans2 State ID: Not reported  
Generator Ship Date: 930105  
Trans1 Recv Date: 930105  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 930105  
Part A Recv Date: Not reported  
Part B Recv Date: 930114  
Generator EPA ID: NYD052207271  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NYD980785760  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
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: NYC2130085  
Manifest Status: Completed copy  
Trans1 State ID: LP3931NY  
Trans2 State ID: Not reported  
Generator Ship Date: 930222  
Trans1 Recv Date: 930222  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 930222  
Part A Recv Date: Not reported  
Part B Recv Date: 930304  
Generator EPA ID: NYD052207271  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NYD980785760  
Waste Code: F005 - UNKNOWN  
Quantity: 00123  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U S COLLISION INC (Continued)**

**1000140250**

Year: 93

Document ID: NJA0628627  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890821  
Trans1 Recv Date: 890821  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890822  
Part A Recv Date: 890829  
Part B Recv Date: 890829  
Generator EPA ID: NYD052207271  
Trans1 EPA ID: NJD980787147  
Trans2 EPA ID: Not reported  
TSD ID: NJD002454544  
Waste Code: F005 - UNKNOWN  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 89

Document ID: NYC2243283  
Manifest Status: Completed copy  
Trans1 State ID: LP3931NY  
Trans2 State ID: Not reported  
Generator Ship Date: 930427  
Trans1 Recv Date: 930427  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 930427  
Part A Recv Date: Not reported  
Part B Recv Date: 930510  
Generator EPA ID: NYD052207271  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NYD980785760  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OZONE INDUSTRIES (Continued)**

**S105586302**

environmental investigations revealed that the contaminants of concern at the Ozone Industries Site, approximately 12,000 sq. ft. in size, include trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2 DCE). Shallow subsurface soil, soil vapor and groundwater are impacted as a result of stored drums of TCE in several bays below the abandoned elevated Long Island Railroad. Aerial/Depth Extent: Concentrations of TCE found in the on-site shallow soils (2 ppm to 150 ppm) exceed the soil cleanup objectives (SCOs) for the protection of groundwater (0.47 ppm). However, off-site shallow soil and all on-site and off-site deeper soils are well below the SCOs. Concentrations: TCE and cis-1,2 DCE are in the on-site and off-site groundwater (32 feet deep) exceeding the groundwater standard of 5 ppb. Concentrations have decreased significantly in recent years with on-site TCE at 7 ppb (August 2006). TCE has migrated from the site several hundred feet down-gradient (south) with a maximum concentration of 260 ppb (August 2006). Sub-slab soil vapor below the floors of the site has concentrations of TCE as high as 363,000 ug/m<sup>3</sup>, but the results of soil vapor samples collected south of the site (below 103rd Avenue) in August 2006 were all non-detect. Significant Threat: The site presents a significant environmental threat due to the potential release of contaminants from source areas into the groundwater.

Health Problem: Contact with site-related contamination in soil is not expected since it is located beneath the building foundation. Exposure to site-related contaminants in drinking water is not likely since the area is served with public water. Inhalation of site-related contamination via vapor intrusion is a potential exposure pathway. However, this pathway is reduced due to the frequent opening of the bay doors. Investigation of potential inhalation of site contaminants via vapor intrusion has not been completed in off-site homes and businesses due to access limitations. Additional investigation of this potential exposure pathway is recommended.

Dump: False  
Structure: True  
Lagoon: False  
Landfill: False  
Pond: False  
Disp Start: 1948  
Disp Term: 1996  
Lat/Long: 40:41:04. / 73:50:28.  
Dell: False  
Record Add: 2/21/2001 8:37:00 AM  
Record Upd: 10/7/2009 9:22:00 AM  
Updated By: jedurnin  
Own Op: Disp. Owner  
Sub Type: E  
Owner Name: Not reported  
Owner Company: OZONE INDUSTRIES  
Owner Address: Not reported  
Owner Addr2: Not reported  
Owner City,St,Zip: ZZ  
Owner Country: United States of America  
Own Op: On-Site Operator  
Sub Type: E  
Owner Name: Not reported  
Owner Company: Ozone Industries  
Owner Address: 101-32 101st Street

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OZONE INDUSTRIES (Continued)**

**S105586302**

Owner Addr2: Not reported  
Owner City,St,Zip: Ozone Park, NY 11417  
Owner Country: United States of America  
Own Op: On-Site Operator  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: Ozone Industries  
Owner Address: 101-32 101st Street  
Owner Addr2: Not reported  
Owner City,St,Zip: Ozone Park, NY 11417  
Owner Country: United States of America  
Own Op: Owner  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: NYC Department of Administrative Services  
Owner Address: Municipal Building / 1 Centre Street  
Owner Addr2: Not reported  
Owner City,St,Zip: New York, NY 10007  
Owner Country: United States of America  
Own Op: Document Repository  
Sub Type: NNN  
Owner Name: CENTRAL LIBRARY  
Owner Company: QUEENS BOROUGH PUBLIC LIBRARY  
Owner Address: 89-11 MERRICK BLVD  
Owner Addr2: Not reported  
Owner City,St,Zip: JAMAICA, NY 11432  
Owner Country: United States of America  
Own Op: Owner  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: NYC Department of Administrative Ser  
Owner Address: Municipal Building / 1 Centre Stre  
Owner Addr2: Not reported  
Owner City,St,Zip: New York, NY 10007  
Owner Country: United States of America  
Own Op: Owner  
Sub Type: C01  
Owner Name: WILLIAM J. DIAMOND, COMMISH.  
Owner Company: NYC DEPT. OF CITYWIDE ADMIN. SERVICE  
Owner Address: MUNI. BLD.17TH FLOOR, 1 CENTRE ST.  
Owner Addr2: Not reported  
Owner City,St,Zip: NEW YORK, NY 11417  
Owner Country: United States of America  
HW Code: 241033  
Waste Type: TRICHLOROETHENE (TCE)  
Waste Quantity: UNKNOWN  
Waste Code: F002  
Crossref ID: NYD044689818  
Cross Ref Type Code: 05  
Cross Ref Type: EPA Site ID  
Record Added Date: 1/30/2002 3:30:00 PM  
Record Updated: 1/22/2010 5:18:00 PM  
Updated By: EMZUK  
Crossref ID: NYD04468918  
Cross Ref Type Code: 05  
Cross Ref Type: EPA Site ID  
Record Added Date: 1/30/2002 3:30:00 PM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OZONE INDUSTRIES (Continued)**

**S105586302**

Record Updated: 1/30/2002 3:31:00 PM  
Updated By: AJSYLVES  
Crossref ID: 241021  
Cross Ref Type Code: 02  
Cross Ref Type: HW Site ID  
Record Added Date: 1/3/2011 9:37:00 AM  
Record Updated: 1/3/2011 9:37:00 AM  
Updated By: JAAVERSA

VAPOR REOPENED:

Site Code: 241033  
Facility Status: Underway

**W92**  
**WSW**  
**1/8-1/4**  
**0.248 mi.**  
**1312 ft.**

**9605 LIBERTY AVE**  
**OZONE PARK, NY 11417**  
**Site 3 of 5 in cluster W**

**EDR US Hist Cleaners** **1015108724**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: CROSS BAY FRENCH CLEANERS  
Year: 2001  
Address: 9605 LIBERTY AVE

**Actual:**  
**31 ft.**

Name: CROSS BAY FRENCH CLEANERS  
Year: 2002  
Address: 9605 LIBERTY AVE

Name: CROSS BAY FRENCH CLEANERS  
Year: 2005  
Address: 9605 LIBERTY AVE

Name: CROSS BAY FRENCH CLEANERS  
Year: 2006  
Address: 9605 LIBERTY AVE

Name: CROSSBAY FRENCH CLEANERS  
Year: 2008  
Address: 9605 LIBERTY AVE

Name: CROSS BAY FRENCH CLEANERS  
Year: 2010  
Address: 9605 LIBERTY AVE

Name: CROSS BAY FRENCH CLEANERS  
Year: 2011  
Address: 9605 LIBERTY AVE

Name: CROSS BAY FRENCH CLEANERS  
Year: 2012  
Address: 9605 LIBERTY AVE

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>W93</b> <b>WSW</b> <b>1/8-1/4</b> <b>0.250 mi.</b> <b>1318 ft.</b>	<b>CROSS BAY CLEANERS</b> <b>96-05 LIBERTY AVENUE</b> <b>OZONE PARK, NY 11417</b>  <b>Site 4 of 5 in cluster W</b>	<b>MANIFEST</b> <b>DRYCLEANERS</b>	<b>S110246325</b> <b>N/A</b>
---	--	---------------------------------------	---------------------------------

<b>Relative:</b> <b>Lower</b>	NY MANIFEST: EPA ID: NYD981077316 Country: USA
<b>Actual:</b> <b>31 ft.</b>	Mailing Name: CROSS BAY CLEANERS Mailing Contact: CROSS BAY CLEANERS Mailing Address: 96-05 LIBERTY AVENUE Mailing Address 2: Not reported Mailing City: OZONE PARK Mailing State: NY Mailing Zip: 11417 Mailing Zip4: Not reported Mailing Country: USA Mailing Phone: 718-843-5671

NY MANIFEST:  
 No Manifest Records Available

DRYCLEANERS:

Facility ID:	2-6307-00492
Phone Number:	Not reported
Region:	2
Registration Effective Date:	5/8/2003 14:39:22:793
Inspection Date:	07MAY25
Install Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	PERC DRY CLEANER

<b>W94</b> <b>WSW</b> <b>1/8-1/4</b> <b>0.250 mi.</b> <b>1318 ft.</b>	<b>CROSS BAY CLEANERS</b> <b>96-05 LIBERTY AVE</b> <b>JAMAICA, NY 11417</b>  <b>Site 5 of 5 in cluster W</b>	<b>RCRA-CESQG</b> <b>FINDS</b> <b>US AIRS</b>	<b>1000386133</b> <b>NYD981077316</b>
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<b>Relative:</b> <b>Lower</b>	RCRA-CESQG: Date form received by agency: 01/01/2007 Facility name: CROSSBAY CLEANERS Facility address: 96-05 LIBERTY AVE OZONE PARK, NY 11417
<b>Actual:</b> <b>31 ft.</b>	EPA ID: NYD981077316 Mailing address: LIBERTY AVE OZONE PARK, NY 11417  Contact: NATHAN FUCHS Contact address: LIBERTY AVE OZONE PARK, NY 11417  Contact country: US Contact telephone: (718) 843-9718 Contact email: Not reported EPA Region: 02 Land type: Facility is not located on Indian land. Additional information is not known. Classification: Conditionally Exempt Small Quantity Generator Description: Handler: generates 100 kg or less of hazardous waste per calendar

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CROSS BAY CLEANERS (Continued)**

**1000386133**

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: MR SANG YUK SUH  
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: MR SANG YUK SUH  
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  
Used 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: CROSSBAY CLEANERS  
Classification: Conditionally Exempt Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CROSS BAY CLEANERS (Continued)**

**1000386133**

Date form received by agency: 04/12/1985  
Facility name: CROSSBAY CLEANERS  
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 12/12/1986  
Date achieved compliance: 12/12/1986  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: Not reported  
Area of violation: Generators - Manifest  
Date violation determined: 12/12/1986  
Date achieved compliance: 12/14/1986  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/12/1986  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Evaluation Action Summary:

Evaluation date: 12/12/1986  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Manifest  
Date achieved compliance: 12/14/1986  
Evaluation lead agency: State

Evaluation date: 12/12/1986  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - General  
Date achieved compliance: 12/12/1986  
Evaluation lead agency: State

FINDS:

Registry ID: 110001594418

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CROSS BAY CLEANERS (Continued)**

**1000386133**

AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

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.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

**AIRS (AFS):**

**Airs Minor Details:**

EPA plant ID: 110001594418  
Plant name: CROSS BAY CLEANERS  
Plant address: 96-05 LIBERTY AVE  
JAMAICA, NY 114171623  
County: QUEENS  
Region code: 02  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 043  
Sic code: 7216  
Sic code desc: DRYCLEANING PLANTS, EXCEPT RUG  
North Am. industrial classf: 812320  
NAIC code description: Drycleaning and Laundry Services (except Coin-Operated)  
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
Current HPV: Not reported

**Compliance and Enforcement Major Issues:**

Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported  
  
Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported  
  
Air program: Not reported  
National action type: Not reported  
Date achieved: Not reported  
Penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CROSS BAY CLEANERS (Continued)**

**1000386133**

Air program: Not reported  
National action type: Not reported  
Date achieved: Not reported  
Penalty amount: Not reported

Air program: Not reported  
National action type: Not reported  
Date achieved: Not reported  
Penalty amount: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0901  
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0901  
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0902  
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0902  
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0903  
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0903  
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0904  
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0904  
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1001  
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1001  
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1002  
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CROSS BAY CLEANERS (Continued)**

**1000386133**

Air prog code hist file:	M
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1003
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1003
Air prog code hist file:	M
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1004
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1004
Air prog code hist file:	M
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1101
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1101
Air prog code hist file:	M
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1102
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1102
Air prog code hist file:	M
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1103
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1103
Air prog code hist file:	M
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1104
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1104
Air prog code hist file:	M

Compliance & Violation Data by Minor Sources:

Air program code:	MACT (SECTION 63 NESHAPS)
Plant air program pollutant:	Not reported
Default pollutant classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attainment:	ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CROSS BAY CLEANERS (Continued)**

**1000386133**

Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non attainment: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non attainment: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non attainment: UNCLASSIFIED  
Repeat violator date: Not reported  
Turnover compliance: Not reported

**95  
ESE  
1/4-1/2  
0.278 mi.  
1470 ft.**

**PRIVATE REIDENCE  
107-70 107TH ST  
OZONE PARK, NY**

**LTANKS S106471651  
N/A**

**Relative:  
Higher**

LTANKS:  
Site ID: 131360  
Spill No: 0401658  
Spill Date: 5/15/2004  
Spill Cause: Tank Failure  
Spill Source: Private Dwelling  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 6/1/2004  
Facility Addr2: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 4101  
Investigator: JMKRIMGO  
Referred To: Not reported  
Reported to Dept: 5/15/2004  
CID: 71  
Water Affected: Not reported  
Spill Notifier: Citizen  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 5/15/2004  
Spill Record Last Update: 6/10/2004  
Spiller Name: ARMINDO PINTO

**Actual:  
39 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE REIDENCE (Continued)**

**S106471651**

Spiller Company: PRIVATE REIDENCE  
Spiller Address: 107-70 107TH ST  
Spiller City,St,Zip: OZONE PARK, NY 11417  
Spiller County: 001  
Spiller Contact: ARMINDO PINTO  
Spiller Phone: (718) 659-4814  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 113175  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"5/15/04. J.Krimgold @ site. Spoke to Susan Pinto. She called her fuel co. (Petro) and they in turn called Milro. Miro pumped out the tank and did the initial cleanup. Spill on the floor was contained by the owner with rugs. Some additional removal of contaminated sheetrock walls and floor tiles is required. Milro currently working with homeowner insurance carrier. Contact Poul (Milro) @ 800-773-6780 for further info. Also, work phone # for Susan Pinto (516)767-0952 (homeowner's daughter),6/1/04. Spoke to Poul (Milro). Cleanup has been completed. NFA LETTER. YK.

Remarks: RESIDENT NOTICE LEAK IN TANK. APPROXIMATES 20 GALLONS OF HEATING OIL LEAKED OUT ONTO CEMENT. OIL COMPANY ON SCENE AND CLEAN UP CREW IS ENROUTE

Material:  
Site ID: 131360  
Operable Unit ID: 883511  
Operable Unit: 01  
Material ID: 492852  
Material Code: 0001A  
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

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

96  
NE  
1/4-1/2  
0.294 mi.  
1553 ft.

103-16 107TH ST  
103-16 107TH ST  
OZONE PARK, NY

LTANKS S102672992  
HIST LTANKS N/A

Relative:  
Higher

LTANKS:

Actual:  
42 ft.

Site ID: 181365  
Spill No: 9507137  
Spill Date: 9/12/1995  
Spill Cause: Tank Overfill  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 9/12/1995  
Facility Addr2: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 9/12/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/27/1948  
Spill Record Last Update: 9/30/1999  
Spiller Name: Not reported  
Spiller Company: caller  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: ADERIS  
Spiller Phone: (718) 848-4346  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 152076  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: HUMAN ERROR-OVERFILL

Material:

Site ID: 181365  
Operable Unit ID: 1021960  
Operable Unit: 01  
Material ID: 361563  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-16 107TH ST (Continued)

S102672992

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: 9507137  
Spill Date: 09/12/1995  
Spill Time: 09:45  
Spill Cause: Tank Overfill  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 09/12/95  
Cleanup Ceased: / /  
Cleanup Meets Standard: True  
Investigator: MARTINKAT  
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: 09/12/95  
Reported to Department Time: 10:15  
SWIS: 63  
Spiller Contact: ADERIS  
Spiller Phone: (718) 848-4346  
Spiller Extention: Not reported  
Spiller Name: CALLER  
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: Responsible Party  
PBS Number: Not reported  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-16 107TH ST (Continued)

S102672992

Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 12/27/48  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 09/30/99  
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: 1  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 1  
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: HUMAN ERROR-OVERFILL

Y97  
SE  
1/4-1/2  
0.306 mi.  
1614 ft.

EXXON SERVICE STATION  
105-02 ROCKAWAY BLVD  
NYC, NY

HIST LTANKS S104510443  
NY Hist Spills N/A

Site 1 of 5 in cluster Y

Relative:  
Lower

HIST LTANKS:

Region of Spill: 2  
Spill Number: 8804552  
Spill Date: 08/23/1988  
Spill Time: 15:00  
Spill Cause: Tank Test Failure  
Resource Affectd: Groundwater  
Water Affected: Not reported  
Spill Source: Gas Station  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 03/30/94  
Cleanup Ceased: 03/30/94  
Cleanup Meets Standard: True  
Investigator: SULLIVAN  
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

Actual:  
34 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON SERVICE STATION (Continued)**

**S104510443**

Notifier Extension: Not reported  
Reported to Department Date: 08/24/88  
Reported to Department Time: 08:40  
SWIS: 63  
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: Not reported  
Facility Extention: Not reported  
Spill Notifier: Tank Tester  
PBS Number: 2-188867  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 08/25/88  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 04/11/94  
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: -1  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: 09/08/88: DEC SULLIVAN) CALLED ALVIN; CONTRACTOR WILL FIX AND RETEST.  
04/11/94: SEE EPS LETTER 3/30/94.DEC SULLIVAN) CALLED ALVIN; CONTRACTOR WILL  
FIX AND RETEST.  
Spill Cause: L R = UNREADABLE, 4K TANK INITIAL SYSTEM PETRO-TITE. EXCAV INVES.

**NY Hist Spills:**

Region of Spill: 2  
Spill Number: 9913638  
Investigator: SIGONA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON SERVICE STATION (Continued)**

**S104510443**

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: 02/14/2000 12:00  
Reported to Dept Date/Time: 03/03/00 08:13  
SWIS: 63  
Spiller Name: EXXON  
Spiller Contact: Not reported  
Spiller Phone: ( ) -  
Spiller Contact: CALLER  
Spiller Phone: ( ) -  
Spiller Address: Not reported  
Spiller City,St,Zip: -  
Spill Cause: Other  
Reported to Dept: On Land  
Water Affected: Not reported  
Spill Source: 05  
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: / /  
Date Spill Entered In Computer Data File: 03/03/00  
Date Spill Entered In Computer Data File: Not reported  
Update Date: 03/06/00  
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: 0  
Unkonwn Quantity Spilled: True  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON SERVICE STATION (Continued)**

**S104510443**

CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: Not reported  
Remark: caller doing site work found contaminated soil.

**Y98**  
**SE**  
**1/4-1/2**  
**0.306 mi.**  
**1614 ft.**

**105-02 ROCKAWAY BLVD**  
**105002 ROCKAWAY BLVD**  
**OZONE PARK, NY**

**HIST LTANKS** **S101509008**  
**N/A**

**Site 2 of 5 in cluster Y**

**Relative:**  
**Lower**

HIST LTANKS:

Region of Spill: 2  
Spill Number: 9415607  
Spill Date: 03/01/1995  
Spill Time: 15:00  
Spill Cause: Tank Failure  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Gas Station  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:**  
**34 ft.**

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: 03/01/95  
Reported to Department Time: 19:34  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: EXXON USA  
Spiller Address: 1400 OLD COUNTRY ROAD  
Spiller City,St,Zip: WESTBURY, NEW YORK 11590  
Spiller Cleanup Date: / /  
Facility Contact: Not reported  
Facility Phone: (516) 876-4662  
Facility Extention: Not reported  
Spill Notifier: Responsible Party  
PBS Number: Not reported  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 04/21/95  
Time Spill Entered In Computer Data File: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**105-02 ROCKAWAY BLVD (Continued)**

**S101509008**

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: 5  
 Unkonwn Quantity Spilled: False  
 Units: Gallons  
 Quantity Recovered: 5  
 Unkonwn Quantity Recovered: False  
 Material: GASOLINE  
 Class Type: GASOLINE  
 Times Material Entry In File: 21329  
 CAS Number: Not reported  
 Last Date: 19940929  
 DEC Remarks: Not reported  
 Spill Cause: 5 GALS FOUND ANULAR SPACE OF DOUBLE WALL TANK - NO APPARENT EXTERNAL LEAK - TANK BEING EMPTIED - WILL BE TESTED TOMORROW.

**Y99**  
**SE**  
 1/4-1/2  
 0.306 mi.  
 1614 ft.

**105-02 ROCKAWAY BLVD.**  
**105-02 ROCKAWAY BLVD.**  
**OZONE PARK, NY**  
**Site 3 of 5 in cluster Y**

**HIST LTANKS S100560044**  
**N/A**

**Relative:**  
**Lower**

**HIST LTANKS:**

Region of Spill: 2  
 Spill Number: 9313089  
 Spill Date: 02/04/1994  
 Spill Time: 14:45  
 Spill Cause: Tank Test Failure  
 Resource Affectd: On Land  
 Water Affected: Not reported  
 Spill Source: Gas Station  
 Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Spill Closed Dt: 03/30/94  
 Cleanup Ceased: 03/30/94  
 Cleanup Meets Standard: True  
 Investigator: O'DOWD.  
 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: 02/04/94  
 Reported to Department Time: 14:58

**Actual:**  
**34 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

105-02 ROCKAWAY BLVD. (Continued)

S100560044

SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: MONIQUE JOHNSON  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spiller Cleanup Date: / /  
Facility Contact: Not reported  
Facility Phone: (800) 992-3647  
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: True  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 02/07/94  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 10/18/94  
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: -1  
Unkonwn Quantity Spilled: False  
Units: Not reported  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: 04/11/94: SEE EPS LETTER 3/30/94.  
Spill Cause: TO EX ISO. RETEST - LOOKS TO BE TANK TOP PROBLEM.

Region of Spill: 2  
Spill Number: 9305046  
Spill Date: 07/22/1993  
Spill Time: 10:00  
Spill Cause: Tank Test Failure  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Gas Station  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

105-02 ROCKAWAY BLVD. (Continued)

S100560044

Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 08/11/93  
Cleanup Ceased: 08/11/93  
Cleanup Meets Standard: True  
Investigator: O'DOWD  
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: 07/22/93  
Reported to Department Time: 12:07  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extension: Not reported  
Spiller Name: EXXON (LARRY TEALY)  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spiller Cleanup Date: / /  
Facility Contact: Not reported  
Facility Phone: (713) 680-5160  
Facility Extension: Not reported  
Spill Notifier: Tank Tester  
PBS Number: Not reported  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 07/23/93  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 03/09/94  
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: 0  
Unkonwn Quantity Spilled: False  
Units: Not reported  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: GASOLINE  
Class Type: GASOLINE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

105-02 ROCKAWAY BLVD. (Continued)

S100560044

Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: False  
Units: Not reported  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: SUPER X FORM RELEASE  
Class Type: SUPER X FORM RELEASE  
Times Material Entry In File: 1  
CAS Number: Not reported  
Last Date: Not reported  
DEC Remarks: 08/11/93: REPLACED MANWAY GASKETS RETESTED AND PASSED 8/3/93. NO CONTAMINATION FOUND.  
Spill Cause: APPEARS TO BE LEAK IN REMOTE FILL. INVEST REPAIR AND RETEST.

Y100  
SE  
1/4-1/2  
0.306 mi.  
1614 ft.

EXXON STA  
COR ROCKAWAY BLVD/CENTER  
OZONE PARK, NY

LTANKS S102663762  
NY Spills N/A  
NY Hist Spills

Site 4 of 5 in cluster Y

Relative:  
Lower

LTANKS:

Actual:  
34 ft.

Site ID: 257713  
Spill No: 9305046  
Spill Date: 7/22/1993  
Spill Cause: Tank Test Failure  
Spill Source: Gasoline Station  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 8/11/1993  
Facility Addr2: Not reported  
Cleanup Ceased: 8/11/1993  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 7/22/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 7/23/1993  
Spill Record Last Update: 4/16/2003  
Spiller Name: MELISSA WINSOR  
Spiller Company: EXXONMOBIL  
Spiller Address: 1900 EAST LINDEN AVENUE  
Spiller City,St,Zip: LINDEN, NJ 07036  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

DER Facility ID: 211016  
DEC Memo: Not reported  
Remarks: APPEARS TO BE LEAK IN REMOTE FILL. INVEST REPAIR AND RETEST.

Material:

Site ID: 257713  
Operable Unit ID: 986657  
Operable Unit: 01  
Material ID: 394994  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 257713  
Spill Tank Test: 1541794  
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: 257714  
Spill No: 9313089  
Spill Date: 2/4/1994  
Spill Cause: Tank Test Failure  
Spill Source: Gasoline Station  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 3/30/1994  
Facility Addr2: Not reported  
Cleanup Ceased: 3/30/1994  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 2/4/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 2/7/1994  
Spill Record Last Update: 4/16/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

Spiller Name: MELISSA WINSOR  
Spiller Company: EXXONMOBIL  
Spiller Address: 1900 EAST LINDEN BLVD  
Spiller City,St,Zip: LINDEN, NJ 07036  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 211016  
DEC Memo: Not reported  
Remarks: TO EX ISO. & RETEST - LOOKS TO BE TANK TOP PROBLEM.

Material:

Site ID: 257714  
Operable Unit ID: 994966  
Operable Unit: 01  
Material ID: 388481  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 257714  
Spill Tank Test: 1542417  
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: 284123  
Spill No: 9415607  
Spill Date: 3/1/1995  
Spill Cause: Tank Failure  
Spill Source: Gasoline Station  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 4/16/2003  
Facility Addr2: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 3/1/1995

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 4/21/1995  
Spill Record Last Update: 4/16/2003  
Spiller Name: MELISSA WINSOR  
Spiller Company: EXXONMOBIL  
Spiller Address: 1900 EAST LINDEN AVENUE  
Spiller City,St,Zip: LINDEN, NJ 07036  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 230419  
DEC Memo: Not reported  
Remarks: 5 GALS FOUND ANULAR SPACE OF DOUBLE WALL TANK - NO APPARENT EXTERNAL LEAK - TANK BEING EMPTIED - WILL BE TESTED TOMORROW.

Material:

Site ID: 284123  
Operable Unit ID: 1012843  
Operable Unit: 01  
Material ID: 370789  
Material Code: 0009  
Material Name: Gasoline  
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

Site ID: 284122  
Spill No: 8804552  
Spill Date: 8/23/1988  
Spill Cause: Tank Test Failure  
Spill Source: Gasoline Station

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 3/30/1994  
Facility Addr2: Not reported  
Cleanup Ceased: 3/30/1994  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 8/24/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 8/25/1988  
Spill Record Last Update: 4/16/2003  
Spiller Name: MELISSA WINSOR  
Spiller Company: EXXONMOBIL  
Spiller Address: 1900 EAST LINDEN AVE  
Spiller City,St,Zip: LINDEN, NJ 07036  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 230419  
DEC Memo: Not reported  
Remarks: L R = UNREADABLE, 4K TANK INITIAL SYSTEM PETRO-TITE. EXCAV & INVES.

Material:  
Site ID: 284122  
Operable Unit ID: 919552  
Operable Unit: 01  
Material ID: 456492  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 284122  
Spill Tank Test: 1534511  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

Last Modified: 10/1/2004  
Test Method: Unknown

Site ID: 284124  
Spill No: 9611911  
Spill Date: 1/2/1997  
Spill Cause: Tank Test Failure  
Spill Source: Gasoline Station  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Spill Closed Dt: 6/18/1997  
Facility Addr2: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 1/2/1997  
CID: 233  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 1/2/1997  
Spill Record Last Update: 4/16/2003  
Spiller Name: MELISSA WINSOR  
Spiller Company: EXXONMOBIL  
Spiller Address: 1900 EAST LINDEN AVE  
Spiller City,St,Zip: LINDEN, NJ 07036  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 230419  
DEC Memo: Not reported  
Remarks: UNDERGROUND TANK DOUBLE WALLED TANK LEAK SHOULD BE CONTAINED

Material:  
Site ID: 284124  
Operable Unit ID: 1043420  
Operable Unit: 01  
Material ID: 340559  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

Tank Test:

Site ID: 284124  
Spill Tank Test: 1544947  
Tank Number: 1  
Tank Size: 4000  
Test Method: 20  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: USTest 2000/P/LL plus USTest 2000/U

Site ID: 356840  
Spill No: 0510799  
Spill Date: 12/15/2005  
Spill Cause: Tank 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: 2/27/2006  
Facility Addr2: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 4101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 12/15/2005  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 12/15/2005  
Spill Record Last Update: 2/27/2006  
Spiller Name: TIM CLARK  
Spiller Company: OZONE PARK  
Spiller Address: 105-02 ROCKAWAY BLVD  
Spiller City,St,Zip: QUEENS, NY  
Spiller County: 999  
Spiller Contact: TIM CLARK  
Spiller Phone: (800) 666-2605  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 230419  
DEC Memo:

EXXON - Cumberland Farms.Sangesland left a message with Tim Clark Tanknology (413-246-5898) asking if this is a minor repair or a long term remediationA car hit the dispenser, Tanknology was hired to test the 3 lines. Regular and upgrade tested OK. Supreme unleaded could not maintain pressure. Tim Clark disabled the supreme unleaded line.Recheck on Dec 21st or 22nd to see if work was done Cumberland Farms Environmental Officer Contact 781-828-490012/22/05 - Raphael Ketani. I contacted the Environmental Officer and she said that the piping and valve were repaired. She added that the valve test will take place today. I asked her for a report describing the successful

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

EXXON STA (Continued)

S102663762

valve test. She said she would send it to me. I spoke to Camilla Bourbeau of Tanknology ((800) 666-2605) and she said that the valve repair is taking place today and will be tested tomorrow. She will send me the damage report today and the valve test report on teuesday, 12/27.12/29/05 - Raphael Ketani. I called Ms. Bourbeau regarding a report for the valve repair and successful pressure test. She said that Reese Energy did the repair and they are waiting for the report.1/26/06 - Raphael Ketani. I spoke to Ms. Bourbeau. She said she had the passing line/valve test and will FAX it to me. She said that was all she had. I told her I needed an official letter from Cumberland Farms describing the incident, what broke, that parts were repaired, any spillage of product, and cleanup of all contamination. She said that would come from Debbie Rebello, Compliance Officer, in Cumberland Farms. I told her to call Ms. Rebello and get me such a letter. She said she would.2/17/06 - Raphael Ketani. I called Ms. Bourbeau regarding the valve repair and cleanup report. She said that she now had a clean copy of the valve re-test report and that she would send it to me. She added that I would need to get the cleanup and repair report from Ms. Rebello ((800) 225-9702, ext 3322). I left a message for Ms. Rebello that I needed the cleanup and repair report. 2/27/06 - Raphael Ketani. I called Ms. Rebello to ask whether any product had been spilled or whether it was just the valve. The valve had been repaired and I received the passing line test results on 2/23/06. Ms. Rebello told me there was no spillage. Based on the passing line test results and the conversation with Ms. Rebello, I am closing the case.

Remarks: PRODUCT LINE LEAK:

Material:

Site ID: 356840  
Operable Unit ID: 1114134  
Operable Unit: 01  
Material ID: 2104214  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

**SPILLS:**

Facility ID: 1203980  
DER Facility ID: 230419  
Facility Type: ER  
Site ID: 466836  
DEC Region: 2  
Spill Number: 1203980  
Spill Date: 7/23/2012  
Spill Cause: Unknown  
Spill Class: Not reported  
Spill Closed Date: Not Closed  
SWIS: 4101  
Investigator: RMPIPER  
Referred To: Not reported  
Reported to Dept: 7/23/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 7/23/2012  
Spill Record Last Update: 9/19/2012  
Spiller Name: Not reported  
Spiller Company: CUMBERLAND FARMS  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: BILL SIMMONS  
Contact Phone: 413-789-3530  
DEC Memo: VOC groundwater contamination. PBS 2-188867. phase II in edocs.  
Remarks: GW SAMPLES

**Material:**

Site ID: 466836  
Operable Unit ID: 1216814  
Operable Unit: 01  
Material ID: 2215027  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

Test Method: Not reported  
Leak Rate: Not reported  
Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported

Facility ID: 9913638  
DER Facility ID: 230419  
Facility Type: ER  
Site ID: 284126  
DEC Region: 2  
Spill Number: 9913638  
Spill Date: 2/14/2000  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Spill Closed Date: 4/16/2003  
SWIS: 4101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 3/3/2000  
CID: 205  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/3/2000  
Spill Record Last Update: 4/16/2003  
Spiller Name: MELISSA WINSOR  
Spiller Company: EXXONMOBIL  
Spiller Address: 1900 EAST LINDEN AVE  
Spiller City,St,Zip: LINDEN, NJ 07036  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: caller doing site work found contaminated soil.

Material:  
Site ID: 284126  
Operable Unit ID: 1092116  
Operable Unit: 01  
Material ID: 295475  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STA (Continued)**

**S102663762**

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.

NY Hist Spills:

Region of Spill: 2

Spill Number: 9708179

Investigator: O'DOWD

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: 10/11/1997 05:17

Reported to Dept Date/Time: 10/11/97 05:17

SWIS: 63

Spiller Name: EXXON CO

Spiller Contact: MRS RICHETTI

Spiller Phone: (718) 845-5320

Spiller Contact: MRS RICHETTI

Spiller Phone: (718) 845-5320

Spiller Address: ROCKAWAY BLVD/CENTERVILLE

Spiller City,St,Zip: OZONE PARK, NY 11417-

Spill Cause: Deliberate

Reported to Dept: Air

Water Affected: Not reported

Spill Source: 05

Spill Notifier: Affected Persons

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: / /

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EXXON STA (Continued)**

**S102663762**

Date Region Sent Summary to Central Office: / /  
 Date Spill Entered In Computer Data File: 10/11/97  
 Date Spill Entered In Computer Data File: Not reported  
 Update Date: 10/15/97  
 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: False  
 Material: GASOLINE  
 Class Type: GASOLINE  
 Times Material Entry In File: 21329  
 CAS Number: Not reported  
 Last Date: 19940929

DEC Remarks: 10/11/97, 05:35 - Spoke to Mrs Richetti. Says vent pipes of Exxon Station extend to middle of second floor and are 4 ft from building. Complaining of strong odors when station receives delivery. Says she and her children have asthma. Address of station is 105-02 Rockaway Blvd. 718-835-5471). Spoke to attendant (no name). Said no more deliveries are scheduled for this weekend. Mark Tibbe received a similar complaint while on off hour response the week before. Apparently something wrong with Stage I vapor recovery. Jennifer Rommel contacted Exxon and requested that they make repairs to system. Transferred from Engelhardt to O Dowd on 10/17/97. Referred to Air Breitburg) on 10/17/97.

Remark: AS PER OTHER CALLS GASOLINE FUMES ARE ENTERINGG THE APARTMENT DWELLING WHEN GAS STORAGE TANKS ARE FILLED AT LOCATION - IT AWAKENS THE TENANTS WHO CALL THE SUPERINTENDANT

**Y101  
 SE  
 1/4-1/2  
 0.306 mi.  
 1614 ft.**

**EXXON STATION  
 105 ROCKAWAY TRNPK  
 OZONE PARK, NY  
 Site 5 of 5 in cluster Y**

**HIST LTANKS S102447960  
 N/A**

**Relative:  
 Lower**

HIST LTANKS:  
 Region of Spill: 2  
 Spill Number: 9611911  
 Spill Date: 01/02/1997  
 Spill Time: 18:30  
 Spill Cause: Tank Test Failure  
 Resource Affectcd: On Land  
 Water Affected: Not reported  
 Spill Source: Gas Station  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Spill Closed Dt: 06/18/97  
 Cleanup Ceased: / /

**Actual:  
 34 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON STATION (Continued)**

**S102447960**

Cleanup Meets Standard: False  
Investigator: O'DOWD  
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: 01/02/97  
Reported to Department Time: 19:45  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extension: Not reported  
Spiller Name: EXXON STATION .  
Spiller Address: 105 ROCKAWAY TRNPK  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller Cleanup Date: / /  
Facility Contact: MIKE MIELLA  
Facility Phone: (516) 876-4671  
Facility Extension: Not reported  
Spill Notifier: Tank Tester  
PBS Number: Not reported  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 01/02/97  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 06/18/97  
Is Updated: False

**Tank:**

PBS Number: Not reported  
Tank Number: 1  
Tank Size: 4000  
Test Method: USTest 2000  
Leak Rate Failed Tank: 0.00  
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: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EXXON STATION (Continued)**

**S102447960**

DEC Remarks: 1/6/97: TRANSFERRED FROM KATZ TO O DOWD. 1/2/97 PRIMARY TANK FAILURE WAS THE RESULT OF A WARNING FROM THE INTERSTITIAL MONITOR AND SUBSEQUENT TANK TEST HAVING BEEN PERFORMED. AT THAT TIME A TEST OF THE SECONDARY TANKS PROVED TIGHT TO ENSURE THERE WAS NOT A RELEASE. THE TANKS IN QUESTION ARE STORING REG. U/L AND PLUS U/L GASOLINE. TANK INTEGRITY WAS COMPROMISED DUE TO CORROSION HOLES NEAR THE HEAD-TO-SHELL WELD SEAM AT THE SOUTH END OF THE TANKS. 4/25/97 REPAIR AND INTERIOR LINING OF 3X4K GAL DOUBLE WALL BUFFIDE TANKS WAS COMPLETED BY WCC TANK TECH. 5/1/97 A UST 2000 TEST WAS SUCCESSFULLY PERFORMED BY CROMPCO ON THE 3 PRIMARY TANKS. THERE WAS NO ENVIRONMENTAL IMPACT TO THE ENVIRONMENT DUE TO THE FAILURE OF THE PRIMARY TANK, WITH PRODUCT BEING CONTAINED BY THE SECONDARY TANK.

Spill Cause: UNDERGROUND TANK DOUBLE WALLED TANK LEAK SHOULD BE CONTAINED

**Z102**  
**NNW**  
 1/4-1/2  
 0.317 mi.  
 1676 ft.

**103-12 101ST AVE./ST. MAR**  
**103-12 101ST. AVE.**  
**NEW YORK CITY, NY**  
 Site 1 of 2 in cluster Z

**HIST LTANKS S100559975**  
**N/A**

**Relative:**  
**Higher**

**HIST LTANKS:**

**Actual:**  
**40 ft.**

Region of Spill: 2  
 Spill Number: 8706124  
 Spill Date: 10/20/1987  
 Spill Time: 16:30  
 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: 03/17/93  
 Cleanup Ceased: 03/17/93  
 Cleanup Meets Standard: False  
 Investigator: BATTISTA  
 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: 10/20/87  
 Reported to Department Time: 19:42  
 SWIS: 63  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 Spiller Name: ST. MARY GATE OF HEAVEN  
 Spiller Address: 103-12 101ST AVE.  
 Spiller City,St,Zip: OZONE PARK, NY  
 Spiller Cleanup Date: / /  
 Facility Contact: Not reported  
 Facility Phone: (718) 847-5947  
 Facility Extention: Not reported  
 Spill Notifier: Tank Tester  
 PBS Number: 2-385204  
 Last Inspection: / /

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

103-12 101ST AVE./ST. MAR (Continued)

S100559975

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: 10/22/87  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 02/15/94  
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: -1  
Unkonwn Quantity Spilled: False  
Units: Not reported  
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: 03/17/93: CONTENZA TOOK TANK OUT OF SERVICE ON 8/19/88.  
Spill Cause: 2K TANK FAILED TEST WITH A LEAK RATE OF .142 G/HR. WILL EXCAVATE, ISOLATE, AND RETEST.

Z103  
NNW  
1/4-1/2  
0.317 mi.  
1676 ft.

THE MERRY GATES OF HEAVEN  
103-12 101ST AVENUE  
NEW YORK CITY, NY  
Site 2 of 2 in cluster Z

LTANKS S100559977  
HIST LTANKS N/A

Relative:  
Higher

LTANKS:

Site ID: 297730  
Spill No: 8706124  
Spill Date: 10/20/1987  
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: 3/17/1993  
Facility Addr2: Not reported  
Cleanup Ceased: 3/17/1993  
Cleanup Meets Standard: False  
SWIS: 4101  
Investigator: BATTISTA  
Referred To: Not reported  
Reported to Dept: 10/20/1987  
CID: Not reported

Actual:  
40 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE MERRY GATES OF HEAVEN (Continued)**

**S100559977**

Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 10/22/1987  
Spill Record Last Update: 2/15/1994  
Spiller Name: Not reported  
Spiller Company: ST. MARY GATE OF HEAVEN  
Spiller Address: 103-12 101ST AVE.  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 240884  
DEC Memo: Not reported  
Remarks: 2K TANK FAILED TEST WITH A LEAK RATE OF .142 G/HR. WILL EXCAVATE, ISOLATE, AND RETEST.

**Material:**

Site ID: 297730  
Operable Unit ID: 909923  
Operable Unit: 01  
Material ID: 465142  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 297730  
Spill Tank Test: 1531978  
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: 172122  
Spill No: 8803832  
Spill Date: 8/1/1988  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE MERRY GATES OF HEAVEN (Continued)**

**S100559977**

Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 3/17/1993  
Facility Addr2: Not reported  
Cleanup Ceased: 3/17/1993  
Cleanup Meets Standard: False  
SWIS: 4101  
Investigator: BATTISTA  
Referred To: Not reported  
Reported to Dept: 8/1/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 8/2/1988  
Spill Record Last Update: 2/15/1994  
Spiller Name: Not reported  
Spiller Company: THE MERRY GATES OF HEAVEN  
Spiller Address: 103-12 101ST AVENUE  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 144869  
DEC Memo: Not reported  
Remarks: SYSTEMS TEST, VISIBLE LEAK, BROKEN GASKET ON THE MAN WAY, WILL REPAIR GASKET AND RETEST.

Material:

Site ID: 172122  
Operable Unit ID: 921011  
Operable Unit: 01  
Material ID: 459364  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5000  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 172122  
Spill Tank Test: 1534382  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE MERRY GATES OF HEAVEN (Continued)**

**S100559977**

Last Modified: 10/1/2004  
Test Method: Unknown

HIST LTANKS:

Region of Spill: 2  
Spill Number: 8803832  
Spill Date: 08/01/1988  
Spill Time: 18:30  
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: 03/17/93  
Cleanup Ceased: 03/17/93  
Cleanup Meets Standard: False  
Investigator: BATTISTA  
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: 08/01/88  
Reported to Department Time: 21:02  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: THE MERRY GATES OF HEAVEN  
Spiller Address: 103-12 101ST AVENUE  
Spiller City,St,Zip: OZONE PARK, NY  
Spiller Cleanup Date: / /  
Facility Contact: Not reported  
Facility Phone: Not reported  
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: 08/02/88  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 02/15/94  
Is Updated: False

Tank:  
PBS Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE MERRY GATES OF HEAVEN (Continued)**

**S100559977**

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: 5000  
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: 03/17/93: CONTENZA TOOK TANK OUT OF SERVICE 8/19/88,.

Spill Cause: SYSTEMS TEST, VISIBLE LEAK, BROKEN GASKET ON THE MAN WAY, WILL REPAIR GASKET AND RETEST.

**104  
ENE  
1/4-1/2  
0.357 mi.  
1886 ft.**

**AMERICAN BEDDING COMPANY  
109-03 LIBERTY AV  
RICHMOND HILL, NY**

**HIST LTANKS S104782136  
NY Spills N/A**

**Relative:  
Higher**

HIST LTANKS:

Region of Spill: 2  
Spill Number: 0006119  
Spill Date: 08/23/2000  
Spill Time: 10:25  
Spill Cause: Tank Overfill  
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: 08/23/00

Reported to Department Time: 10:39

SWIS: 63

Spiller Contact: ERIK ZALEWSKI

Spiller Phone: (631) 864-4200

Spiller Extention: Not reported

Spiller Name: AMERICAN BEDDING COMPANY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN BEDDING COMPANY (Continued)**

**S104782136**

Spiller Address: 109-03 LIBERTY AV  
Spiller City,St,Zip: RICHMOND HILL, NY  
Spiller Cleanup Date: / /  
Facility Contact: ERIK ZALEWSKI  
Facility Phone: (631) 864-4200  
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: 08/23/00  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 09/14/00  
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: 0  
Unkonwn Quantity Spilled: True  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: True  
Material: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: On September 14, 2000, DEC Sigona called Erik Zawelski, Phoenix Environmental and requested a copy of the site investigation. Left message Mr. Zalewski was unavailable.  
Spill Cause: caller did soil samples around abandoned tank and results showed contamination

**SPILLS:**

Facility ID: 0006119  
DER Facility ID: 193156  
Facility Type: ER  
Site ID: 234489  
DEC Region: 2  
Spill Number: 0006119  
Spill Date: 8/23/2000  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Date: 1/26/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN BEDDING COMPANY (Continued)**

**S104782136**

SWIS: 4101  
Investigator: MJCRUDEN  
Referred To: Not reported  
Reported to Dept: 8/23/2000  
CID: 211  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/23/2000  
Spill Record Last Update: 2/3/2006  
Spiller Name: ERIK ZALEWSKI  
Spiller Company: AMERICAN BEDDING COMPANY  
Spiller Address: 109-03 LIBERTY AV  
Spiller City,St,Zip: RICHMOND HILL, NY  
001  
Contact Name: ERIK ZALEWSKI  
Contact Phone: (631) 864-4200  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL."This spill case was reassigned from DEC (Sigona) to Rommel on01/07/2004.On September 14, 2000, DEC Sigona called Erik Zawelski, Phoenix Environmental and requested a copy of the site investigation. Left message Mr. Zalewski was unavailable.1/12/06 called Phoenix Environmental and talked to Paul Sherwood (Zalewski has left company). He agreed to search for documentation. Sent followup letters with spill report as attachment to Phoenix and Liberty Management Corp to request assistance in closing out this spill.Submitted test results and proof of certified tank closure.2/3/2006 Libert Management sent additional documentation, which was filed appropriately.  
Remarks: Caller did soil samples around abandoned tank and results showed contamination

Material:  
Site ID: 234489  
Operable Unit ID: 827017  
Operable Unit: 01  
Material ID: 547245  
Material Code: 0009  
Material Name: Gasoline  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN BEDDING COMPANY (Continued)**

**S104782136**

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

**105  
SE  
1/4-1/2  
0.385 mi.  
2031 ft.**

**111-24 106TH ST/QUEENS  
111-24 106TH STREET  
NEW YORK CITY, NY**

**LTANKS S100167936  
HIST LTANKS N/A**

**Relative:  
Lower**

**LTANKS:**

**Actual:  
33 ft.**

Site ID: 262021  
Spill No: 9004044  
Spill Date: 7/11/1990  
Spill Cause: Tank Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 5/25/1995  
Facility Addr2: Not reported  
Cleanup Ceased: 5/25/1995  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: WILSON  
Referred To: Not reported  
Reported to Dept: 7/12/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 7/18/1990  
Spill Record Last Update: 5/25/1995  
Spiller Name: Not reported  
Spiller Company: Not reported  
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: 213974  
DEC Memo: Not reported  
Remarks: BAERENKLAU OIL USED SPEEDY DRY ON LEAK, & PUT CAN UNDER TANK, WILL BE REPAIRED BY A.B.C. TANK REPAIRS.

**Material:**

Site ID: 262021  
Operable Unit ID: 944235

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

111-24 106TH ST/QUEENS (Continued)

S100167936

Operable Unit: 01  
Material ID: 435158  
Material Code: 0001A  
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: 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: 9004044  
Spill Date: 07/11/1990  
Spill Time: 15:15  
Spill Cause: Tank Failure  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 05/25/95  
Cleanup Ceased: 05/25/95  
Cleanup Meets Standard: True  
Investigator: WILSON  
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: 07/12/90  
Reported to Department Time: 10:21  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: Not reported  
Spiller Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

111-24 106TH ST/QUEENS (Continued)

S100167936

Spiller City,St,Zip: Not reported  
Spiller Cleanup Date: / /  
Facility Contact: Not reported  
Facility Phone: (718) 835-0970  
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: 07/18/90  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 05/25/95  
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: #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: BAERENKLAU OIL USED SPEEDY DRY ON LEAK, PUT CAN UNDER TANK, WILL BE REPAIRED BY A.B.C. TANK REPAIRS.

106  
NNW  
1/4-1/2  
0.414 mi.  
2188 ft.

97-10 103TH ST  
97-10 103TH ST  
OZONE PARK, NY

LTANKS S101341295  
HIST LTANKS N/A

Relative:  
Higher

LTANKS:

Site ID: 133869  
Spill No: 9315573  
Spill Date: 5/23/1993  
Spill Cause: Tank Failure  
Spill Source: Private Dwelling  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
43 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**97-10 103TH ST (Continued)**

**S101341295**

Spill Closed Dt: 5/24/1993  
Facility Addr2: Not reported  
Cleanup Ceased: 5/24/1993  
Cleanup Meets Standard: True  
SWIS: 4101  
Investigator: JMKRIMGO  
Referred To: Not reported  
Reported to Dept: 5/23/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 5/25/1993  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: DOROTHY PIRRAZZO  
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: 115038  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
Remarks: CUSTOMER HAD OIL LEAK IN TANK BAERENKLAU STATED TANK WAS NO GOOD USED SPEEDY DRY NCB.

Material:  
Site ID: 133869  
Operable Unit ID: 997592  
Operable Unit: 01  
Material ID: 387322  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

97-10 103TH ST (Continued)

S101341295

Last Modified: Not reported  
Test Method: Not reported

HIST LTANKS:

Region of Spill: 2  
Spill Number: 9315573  
Spill Date: 05/23/1993  
Spill Time: 11:05  
Spill Cause: Tank Failure  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 05/24/93  
Cleanup Ceased: 05/24/93  
Cleanup Meets Standard: True  
Investigator: KRIMGOLD  
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: 05/23/93  
Reported to Department Time: 11:13  
SWIS: 63  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: DOROTHY PIRRAZZO  
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: 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: 05/25/93  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: / /  
Is Updated: False

Tank:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**97-10 103TH ST (Continued)**

**S101341295**

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: False  
Units: Not reported  
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: CUSTOMER HAD OIL LEAK IN TANK BAERENKLAU STATED TANK WAS NO GOOD USED SPEEDY DRY NCB.

**107  
SW  
1/4-1/2  
0.479 mi.  
2528 ft.**

**AIRCRAFT TURBINE SERVICE  
129-15 92ND ST  
JAMAICA, NY 11421**

**CERC-NFRAP 1003863862  
NYD980532139**

**Relative:  
Lower**

CERC-NFRAP:  
Site ID: 0201989  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:  
32 ft.**

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
Date Started: Not reported  
Date Completed: 06/01/1981  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: 02/15/1987  
Date Completed: 02/26/1987  
Priority Level: Low priority for further assessment

Action: SITE INSPECTION  
Date Started: 07/01/1990  
Date Completed: 09/25/1990  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE  
Date Started: Not reported  
Date Completed: 09/25/1990  
Priority Level: Not reported

Count: 20 records.

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
QUEENS	1004761690	MTA NYCT - AQUEDUCT AVENUE STATION	HAWTREE ST & N CONDUIT AVE	11420	FINDS,RCRA-NLR
OZONE PARK	1005444288	NYSDOT RECONST FOCH BLVD & 109TH A	FOCH BLVD OVER VAN WYCK	11420	FINDS,RCRA-NLR
QUEENS	1007206373	CONSOLIDATED EDISON	V 209 - LIBERTY & ALLENDALE		RCRA-NLR,MANIFEST
OZONE PARK	1007252064	BELL ATLANTIC-NY	CROSS BAY BLVD/153 AVE	00000	FINDS
HOWARD BEACH	1007765171	TRINCHESE PROP - B 14189 LOT 49	95TH ST	11414	FINDS
SOUTH RICHMOND HILL	1007805896	EFFICIENT AUTO COLLISION-129-15 10	129/15 101ST AVENUE	11419	FINDS
HOWARD BEACH	1007811547	NYC DCAS-161 AVE/95TH ST/SHELLBANK	BED OF 161ST AVE BET 95TH ST &	11414	FINDS
QUEENS	1008195545	CONSOLIDATED EDISON	TM5884-98TH ST & LIDBERTY AVE		RCRA-NLR,MANIFEST
OZONE PARK	1009226043	NYCTA	LIBERTY AVE	11417	MANIFEST
OZONE PARK	1009234762	AMOCO OIL SERVICE STATION	97809 ROCKAWAY BLVD	11417	MANIFEST
RICHMOND HILL	1012185318	CON EDISON	NW COR 115TH ST & 103 AVE	11418	RCRA-CESQG
OZONE PARK	1012186253	MTA NYCT - ROCKAWAY LINE VIADUCTS	LINDEN BLVD & HAWTREE ST TO	11417	RCRA-SQG
SOUTH OZONE PARK	1014395125	AQUEDUCT RACETRACK	110-00 ROCKAWAY BLVD	11417	RCRA-CESQG
QUEENS	1014395428	NYC DEP	94-001 100TH ST	11416	RCRA-NLR
OZONE PARK	1014395504	NYC DEP	HAWTREE ST & 99TH PL	11417	RCRA-NLR
QUEENS	1014395506	NYC DEP	103-53 101ST ST	11417	RCRA-NLR
OZONE PARK	1014397282	CON EDISON - MANHOLE 13802	ALBERT RD AND 99TH PL	11417	RCRA-LQG
OZONE PARK	1014397302	CON EDISON - MANHOLE 11160	LIBERTY AVE & 75 ST	11416	RCRA-LQG
OZONE PARK	1014397306	CON EDISON - MANHOLE 11438	103 AVE & 92 ST	11417	RCRA-LQG
	S112209750	CONSOLIDATED EDISON CO #3000	ROUTE 133 AND STONE		MANIFEST

# 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: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/04/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	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: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/04/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/04/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	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: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	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: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/22/2013
	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: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/12/2012  
Next Scheduled EDR Contact: 02/25/2013  
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: 09/11/2012  
Date Data Arrived at EDR: 10/04/2012  
Date Made Active in Reports: 12/04/2012  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: 04/15/2013  
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: 09/11/2012  
Date Data Arrived at EDR: 10/04/2012  
Date Made Active in Reports: 12/04/2012  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: 04/15/2013  
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: 09/11/2012  
Date Data Arrived at EDR: 10/04/2012  
Date Made Active in Reports: 12/04/2012  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: 04/15/2013  
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: 09/11/2012  
Date Data Arrived at EDR: 10/04/2012  
Date Made Active in Reports: 12/04/2012  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: 04/15/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 07/18/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/24/2012	Telephone: 703-603-0695
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 12/10/2012
Number of Days to Update: 104	Next Scheduled EDR Contact: 03/25/2013
	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: 07/18/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/24/2012	Telephone: 703-603-0695
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 12/10/2012
Number of Days to Update: 104	Next Scheduled EDR Contact: 03/25/2013
	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	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/15/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/04/2013
	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: 04/02/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-267-2180
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 01/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/15/2013
	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: 11/19/2012	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/20/2012	Telephone: 518-402-9622
Date Made Active in Reports: 12/12/2012	Last EDR Contact: 11/20/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## VAPOR REOPENED: Vapor Intrusion 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: 05/01/2012	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/23/2012	Telephone: 518-402-9814
Date Made Active in Reports: 07/03/2012	Last EDR Contact: 08/24/2012
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/03/2012
	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: 01/07/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/09/2013	Telephone: 518-457-2051
Date Made Active in Reports: 01/16/2013	Last EDR Contact: 01/07/2013
Number of Days to Update: 7	Next Scheduled EDR Contact: 04/22/2013
	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: 11/19/2012	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/20/2012	Telephone: 518-402-9549
Date Made Active in Reports: 01/08/2013	Last EDR Contact: 11/20/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/04/2013
	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/08/2005	Telephone: 518-402-9549
Date Made Active in Reports: 07/14/2005	Last EDR Contact: 07/07/2005
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### 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	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 07/26/2012
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 04/12/2012	Source: EPA Region 1
Date Data Arrived at EDR: 05/09/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 11/01/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/11/2013
	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: 08/17/2012	Source: EPA Region 7
Date Data Arrived at EDR: 08/28/2012	Telephone: 913-551-7003
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2013
	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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

## 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: 09/06/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/07/2012	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/11/2013
	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: 08/01/2012	Source: EPA Region 10
Date Data Arrived at EDR: 08/02/2012	Telephone: 206-553-2857
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 10/30/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

## 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	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-8677
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Semi-Annually

### ***State and tribal registered storage tank lists***

#### TANKS: Storage Tank Facility 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/02/2013  
Date Data Arrived at EDR: 01/02/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9543  
Last EDR Contact: 01/02/2013  
Next Scheduled EDR Contact: 04/15/2013  
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: 01/02/2013  
Date Data Arrived at EDR: 01/02/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 01/02/2013  
Next Scheduled EDR Contact: 04/15/2013  
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: 01/02/2013  
Date Data Arrived at EDR: 01/02/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 01/02/2013  
Next Scheduled EDR Contact: 04/15/2013  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 01/02/2013  
Date Data Arrived at EDR: 01/02/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 01/02/2013  
Next Scheduled EDR Contact: 04/15/2013  
Data Release Frequency: Quarterly

## 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: 01/02/2013  
Date Data Arrived at EDR: 01/02/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 01/02/2013  
Next Scheduled EDR Contact: 04/15/2013  
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: 04/12/2012  
Date Data Arrived at EDR: 05/02/2012  
Date Made Active in Reports: 07/16/2012  
Number of Days to Update: 75

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 11/01/2012  
Next Scheduled EDR Contact: 02/11/2013  
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: 07/26/2012  
Next Scheduled EDR Contact: 02/11/2013  
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: 08/02/2012  
Date Data Arrived at EDR: 08/03/2012  
Date Made Active in Reports: 11/05/2012  
Number of Days to Update: 94

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 07/26/2012  
Next Scheduled EDR Contact: 02/11/2013  
Data Release Frequency: Varies

## 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: 07/26/2012  
Next Scheduled EDR Contact: 02/11/2013  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/17/2012	Source: EPA Region 7
Date Data Arrived at EDR: 08/28/2012	Telephone: 913-551-7003
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

## 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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

## 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: 08/01/2012	Source: EPA Region 10
Date Data Arrived at EDR: 08/02/2012	Telephone: 206-553-2857
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

## 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: 09/06/2012	Source: EPA Region 9
Date Data Arrived at EDR: 09/07/2012	Telephone: 415-972-3368
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 01/14/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/29/2013
	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: 11/19/2012	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/20/2012	Telephone: 518-402-9553
Date Made Active in Reports: 12/12/2012	Last EDR Contact: 11/20/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/19/2012  
Date Data Arrived at EDR: 11/20/2012  
Date Made Active in Reports: 12/12/2012  
Number of Days to Update: 22

Source: Department of Environmental Conservation  
Telephone: 518-402-9553  
Last EDR Contact: 11/20/2012  
Next Scheduled EDR Contact: 03/04/2013  
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: 12/28/2012  
Next Scheduled EDR Contact: 04/08/2013  
Data Release Frequency: No Update Planned

### **State and tribal voluntary cleanup sites**

#### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

#### 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: 09/28/2012  
Date Data Arrived at EDR: 10/02/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 14

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 01/04/2013  
Next Scheduled EDR Contact: 04/15/2013  
Data Release Frequency: Varies

#### 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: 11/19/2012  
Date Data Arrived at EDR: 11/20/2012  
Date Made Active in Reports: 12/12/2012  
Number of Days to Update: 22

Source: Department of Environmental Conservation  
Telephone: 518-402-9711  
Last EDR Contact: 11/20/2012  
Next Scheduled EDR Contact: 03/04/2013  
Data Release Frequency: Semi-Annually

### **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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/19/2012  
Date Data Arrived at EDR: 11/20/2012  
Date Made Active in Reports: 12/12/2012  
Number of Days to Update: 22

Source: Department of Environmental Conservation  
Telephone: 518-402-9622  
Last EDR Contact: 11/20/2012  
Next Scheduled EDR Contact: 03/04/2013  
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: 11/19/2012  
Date Data Arrived at EDR: 11/20/2012  
Date Made Active in Reports: 12/12/2012  
Number of Days to Update: 22

Source: Department of Environmental Conservation  
Telephone: 518-402-9764  
Last EDR Contact: 11/20/2012  
Next Scheduled EDR Contact: 03/04/2013  
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: 12/10/2012  
Date Data Arrived at EDR: 12/11/2012  
Date Made Active in Reports: 12/20/2012  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 12/11/2012  
Next Scheduled EDR Contact: 04/08/2013  
Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### 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  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### 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  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 07/03/2012  
Next Scheduled EDR Contact: 02/11/2013  
Data Release Frequency: No Update Planned

#### SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/07/2013  
Date Data Arrived at EDR: 01/09/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 7

Source: Department of Environmental Conservation  
Telephone: 518-402-8705  
Last EDR Contact: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
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  
Date Data Arrived at EDR: 11/15/2006  
Date Made Active in Reports: 11/30/2006  
Number of Days to Update: 15

Source: Department of Environmental Conservation  
Telephone: 518-402-8694  
Last EDR Contact: 10/26/2012  
Next Scheduled EDR Contact: 02/04/2013  
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: 11/05/2012  
Next Scheduled EDR Contact: 02/18/2013  
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: 07/11/2012  
Date Data Arrived at EDR: 09/12/2012  
Date Made Active in Reports: 11/05/2012  
Number of Days to Update: 54

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 12/03/2012  
Next Scheduled EDR Contact: 03/18/2013  
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: 11/19/2012  
Date Data Arrived at EDR: 11/20/2012  
Date Made Active in Reports: 12/14/2012  
Number of Days to Update: 24

Source: Department of Environmental Conservation  
Telephone: 518-402-9622  
Last EDR Contact: 11/20/2012  
Next Scheduled EDR Contact: 03/04/2013  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 10/23/2006
Number of Days to Update: 48	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 10/23/2006
Number of Days to Update: 48	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: 02/16/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/26/2012	Telephone: 202-564-6023
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 11/01/2012
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

### LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 11/19/2012	Source: Office of the State Comptroller
Date Data Arrived at EDR: 11/20/2012	Telephone: 518-474-9034
Date Made Active in Reports: 12/12/2012	Last EDR Contact: 11/12/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 02/25/2013
	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: 04/01/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-366-4555
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 01/03/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/15/2013
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/19/2012  
Date Data Arrived at EDR: 11/20/2012  
Date Made Active in Reports: 01/08/2013  
Number of Days to Update: 49

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 11/20/2012  
Next Scheduled EDR Contact: 03/04/2013  
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 / NLR: 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: 09/11/2012  
Date Data Arrived at EDR: 10/04/2012  
Date Made Active in Reports: 12/04/2012  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: 04/15/2013  
Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 11/06/2012  
Next Scheduled EDR Contact: 02/18/2013  
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: 10/18/2012  
Next Scheduled EDR Contact: 01/28/2013  
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: 12/10/2012  
Next Scheduled EDR Contact: 03/25/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/01/2012	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 10/19/2012	Telephone: Varies
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 12/28/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/15/2013
	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: 02/27/2012	Source: EPA
Date Data Arrived at EDR: 03/14/2012	Telephone: 703-416-0223
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 12/11/2012
Number of Days to Update: 92	Next Scheduled EDR Contact: 03/25/2013
	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	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 146	Next Scheduled EDR Contact: 03/11/2013
	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	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 12/05/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 03/18/2013
	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	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 131	Next Scheduled EDR Contact: 03/11/2013
	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	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/28/2012
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Every 4 Years

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 11/26/2012  
Next Scheduled EDR Contact: 03/11/2013  
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: 11/26/2012  
Next Scheduled EDR Contact: 03/11/2013  
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: 11/01/2012  
Next Scheduled EDR Contact: 02/11/2013  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/19/2012
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/28/2013
	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	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 01/16/2013
Number of Days to Update: 98	Next Scheduled EDR Contact: 04/29/2013
	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	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 12/10/2012
Number of Days to Update: 60	Next Scheduled EDR Contact: 03/25/2013
	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: 10/02/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/02/2012	Telephone: 202-343-9775
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 01/09/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/22/2013
	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	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (212) 637-3000
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 12/11/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 03/25/2013
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## RMP: Risk Management Plans

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

Date of Government Version: 05/08/2012  
Date Data Arrived at EDR: 05/25/2012  
Date Made Active in Reports: 07/10/2012  
Number of Days to Update: 46

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 11/01/2012  
Next Scheduled EDR Contact: 02/11/2013  
Data Release Frequency: Varies

## 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: 11/30/2012  
Next Scheduled EDR Contact: 03/11/2013  
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: 12/10/2012  
Date Data Arrived at EDR: 12/11/2012  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 36

Source: Department of Environmental Conservation  
Telephone: 518-402-8056  
Last EDR Contact: 12/11/2012  
Next Scheduled EDR Contact: 03/25/2013  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 11/01/2012  
Date Data Arrived at EDR: 11/07/2012  
Date Made Active in Reports: 12/11/2012  
Number of Days to Update: 34

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/07/2012  
Next Scheduled EDR Contact: 02/18/2013  
Data Release Frequency: Annually

## DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 06/20/2012  
Date Data Arrived at EDR: 07/16/2012  
Date Made Active in Reports: 09/06/2012  
Number of Days to Update: 52

Source: Department of Environmental Conservation  
Telephone: 518-402-8403  
Last EDR Contact: 12/13/2012  
Next Scheduled EDR Contact: 04/01/2013  
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: 10/23/2012  
Date Data Arrived at EDR: 10/24/2012  
Date Made Active in Reports: 11/09/2012  
Number of Days to Update: 16

Source: Department of Environmental Conservation  
Telephone: 518-402-8233  
Last EDR Contact: 01/14/2013  
Next Scheduled EDR Contact: 04/29/2013  
Data Release Frequency: No Update Planned

## AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 08/02/2012  
Date Made Active in Reports: 10/03/2012  
Number of Days to Update: 62

Source: Department of Environmental Conservation  
Telephone: 518-402-8452  
Last EDR Contact: 11/01/2012  
Next Scheduled EDR Contact: 02/11/2013  
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: 10/11/2012  
Date Data Arrived at EDR: 11/01/2012  
Date Made Active in Reports: 11/09/2012  
Number of Days to Update: 8

Source: New York City Department of City Planning  
Telephone: 718-595-6658  
Last EDR Contact: 12/26/2012  
Next Scheduled EDR Contact: 04/08/2013  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/18/2012  
Next Scheduled EDR Contact: 01/28/2013  
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: 10/22/2012  
Next Scheduled EDR Contact: 02/04/2013  
Data Release Frequency: Varies

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/18/2012  
Date Data Arrived at EDR: 01/27/2012  
Date Made Active in Reports: 03/01/2012  
Number of Days to Update: 34

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 12/28/2012  
Next Scheduled EDR Contact: 04/15/2013  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/18/2012  
Date Data Arrived at EDR: 01/27/2012  
Date Made Active in Reports: 03/01/2012  
Number of Days to Update: 34

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 12/28/2012  
Next Scheduled EDR Contact: 04/15/2013  
Data Release Frequency: Annually

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/13/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 11/12/2012  
Next Scheduled EDR Contact: 02/25/2013  
Data Release Frequency: Quarterly

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/20/2012  
Date Data Arrived at EDR: 08/28/2012  
Date Made Active in Reports: 11/05/2012  
Number of Days to Update: 69

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 11/16/2012  
Next Scheduled EDR Contact: 03/04/2013  
Data Release Frequency: Quarterly

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012  
Date Data Arrived at EDR: 10/04/2012  
Date Made Active in Reports: 11/05/2012  
Number of Days to Update: 32

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: 04/15/2013  
Data Release Frequency: Quarterly

## 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: 11/02/2012  
Next Scheduled EDR Contact: 02/11/2013  
Data Release Frequency: Varies

## COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 01/08/2013  
Date Data Arrived at EDR: 01/09/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 7

Source: Department of Environmental Conservation  
Telephone: 518-402-8660  
Last EDR Contact: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
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: 01/15/2013  
Next Scheduled EDR Contact: 04/29/2013  
Data Release Frequency: Varies

## 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: 12/11/2012  
Next Scheduled EDR Contact: 03/25/2013  
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: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 08/16/2012
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/05/2012	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/11/2012	Telephone: 518-402-8660
Date Made Active in Reports: 11/09/2012	Last EDR Contact: 01/07/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/22/2013
	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/18/2012
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/28/2013
	Data Release Frequency: N/A

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Varies

## EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

## EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### CORTLAND COUNTY:

#### Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 12/18/2012  
Date Data Arrived at EDR: 12/20/2012  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 27

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 05/07/8062  
Next Scheduled EDR Contact: 02/18/2013  
Data Release Frequency: Quarterly

#### Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 12/18/2012  
Date Data Arrived at EDR: 12/20/2012  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 27

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 05/07/8062  
Next Scheduled EDR Contact: 02/18/2013  
Data Release Frequency: Quarterly

### NASSAU COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
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: 11/05/2012  
Next Scheduled EDR Contact: 02/18/2013  
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: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
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: 11/05/2012  
Next Scheduled EDR Contact: 02/18/2013  
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: 10/11/2012  
Date Data Arrived at EDR: 10/12/2012  
Date Made Active in Reports: 11/14/2012  
Number of Days to Update: 33

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 01/15/2013  
Next Scheduled EDR Contact: 03/25/2013  
Data Release Frequency: Quarterly

### Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 10/11/2012  
Date Data Arrived at EDR: 10/12/2012  
Date Made Active in Reports: 11/14/2012  
Number of Days to Update: 33

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 01/15/2013  
Next Scheduled EDR Contact: 03/25/2013  
Data Release Frequency: Quarterly

## SUFFOLK COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 11/05/2012  
Next Scheduled EDR Contact: 02/18/2013  
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: 11/05/2012  
Next Scheduled EDR Contact: 02/18/2013  
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: 11/19/2012  
Date Data Arrived at EDR: 11/20/2012  
Date Made Active in Reports: 12/12/2012  
Number of Days to Update: 22

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 11/05/2012  
Next Scheduled EDR Contact: 02/18/2013  
Data Release Frequency: Varies

### Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 11/19/2012  
Date Data Arrived at EDR: 11/20/2012  
Date Made Active in Reports: 12/12/2012  
Number of Days to Update: 22

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 11/05/2012  
Next Scheduled EDR Contact: 02/18/2013  
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: 11/19/2012  
Date Data Arrived at EDR: 11/19/2012  
Date Made Active in Reports: 01/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/19/2012  
Next Scheduled EDR Contact: 03/04/2013  
Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 01/15/2013  
Next Scheduled EDR Contact: 04/29/2013  
Data Release Frequency: Annually

PA MANIFEST: Manifest Information  
Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/23/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 57

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/22/2012  
Next Scheduled EDR Contact: 02/04/2013  
Data Release Frequency: Annually

RI MANIFEST: Manifest information  
Hazardous waste manifest information

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 06/22/2012  
Date Made Active in Reports: 07/31/2012  
Number of Days to Update: 39

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 11/26/2012  
Next Scheduled EDR Contact: 03/11/2013  
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data  
Hazardous waste manifest information.

Date of Government Version: 11/16/2012  
Date Data Arrived at EDR: 11/29/2012  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 48

Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 10/22/2012  
Next Scheduled EDR Contact: 02/04/2013  
Data Release Frequency: Annually

WI MANIFEST: Manifest Information  
Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 09/27/2012  
Number of Days to Update: 70

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 12/13/2012  
Next Scheduled EDR Contact: 04/01/2013  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

102-16 LIBERTY AVE, QUEENS, NY BLOCK 9523 LOT 5  
102-16 LIBERTY AVE  
OZONE PARK, NY, NY 11417

### **TARGET PROPERTY COORDINATES**

Latitude (North):	40.6815 - 40° 40' 53.40"
Longitude (West):	73.8385 - 73° 50' 18.60"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	598156.3
UTM Y (Meters):	4503839.0
Elevation:	35 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	40073-F7 JAMAICA, NY
Most Recent Revision:	1994

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).

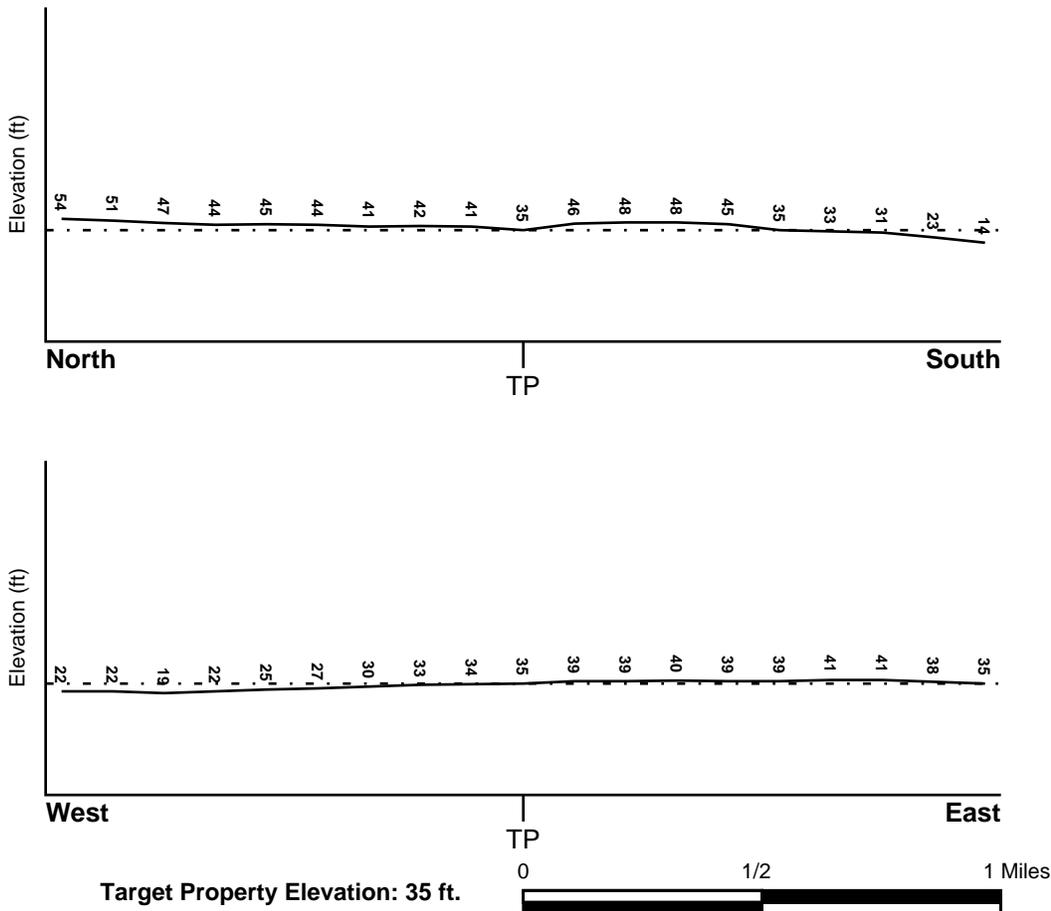
## TOPOGRAPHIC INFORMATION

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 NW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

<u>Target Property County</u>	FEMA Flood <u>Electronic Data</u>
QUEENS, 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

<u>NWI Quad at Target Property</u>	NWI Electronic <u>Data Coverage</u>
JAMAICA	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 NNW
Site Name:	Liberty Heat Treating Co. Inc.
Site EPA ID Number:	NYD053169694
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	approximately 60 feet.
Hydraulic Connection:	permeable deposits are located above the surficial aquifer and the surficial aquifer is hydraulically connected to underlying aquifers.
Sole Source Aquifer:	A sole source aquifer is present at or near the site
Data Quality:	Information is inferred 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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## 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: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
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 subordinator 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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS2119128	0 - 1/8 Mile SSW
2	USGS2118878	1/4 - 1/2 Mile NNW
3	USGS2119311	1/4 - 1/2 Mile WSW
A4	USGS2119055	1/4 - 1/2 Mile NNE
A5	USGS2119062	1/4 - 1/2 Mile NNE
A6	USGS2119063	1/4 - 1/2 Mile NNE
7	USGS2119261	1/4 - 1/2 Mile ESE
8	USGS2119014	1/2 - 1 Mile ENE
9	USGS2118888	1/2 - 1 Mile NNW
B10	USGS2119202	1/2 - 1 Mile WNW
B11	USGS2119206	1/2 - 1 Mile WNW
12	USGS2119539	1/2 - 1 Mile SSE
13	USGS2119546	1/2 - 1 Mile SSE
14	USGS2119074	1/2 - 1 Mile NW
15	USGS2119521	1/2 - 1 Mile SSE
16	USGS2119064	1/2 - 1 Mile WNW
17	USGS2119157	1/2 - 1 Mile West
E21	USGS2119105	1/2 - 1 Mile NW
D22	USGS2119149	1/2 - 1 Mile East
D23	USGS2119150	1/2 - 1 Mile East
E24	USGS2119106	1/2 - 1 Mile NW
C25	USGS2118896	1/2 - 1 Mile NE
26	USGS2953337	1/2 - 1 Mile South
27	USGS2118907	1/2 - 1 Mile NE
28	USGS2119444	1/2 - 1 Mile SSW
29	USGS2118802	1/2 - 1 Mile NNW
30	USGS2119000	1/2 - 1 Mile WNW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

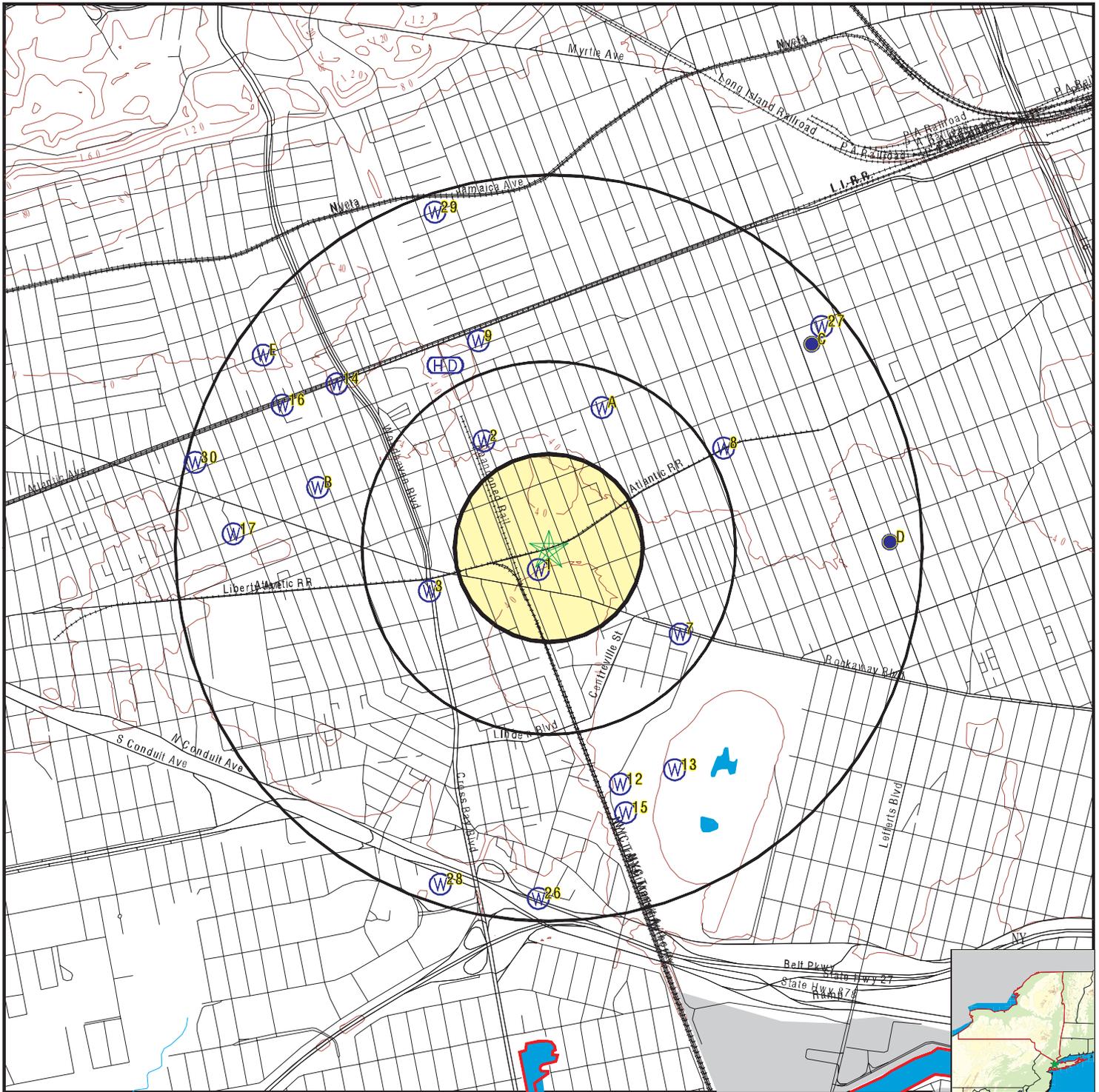
MAP ID	WELL ID	LOCATION FROM TP
C19	NY0011735	1/2 - 1 Mile NE

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C18	NYWS006432	1/2 - 1 Mile NE
D20	NYWS006451	1/2 - 1 Mile East

# PHYSICAL SETTING SOURCE MAP - 3497283.1s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: 102-16 Liberty Ave, Queens, NY Block 9523 Lot 5  
 ADDRESS: 102-16 Liberty Ave  
 Ozone Park, NY NY 11417  
 LAT/LONG: 40.6815 / 73.8385

CLIENT: Hydro Tech Env. Corp.  
 CONTACT: Shana Cross  
 INQUIRY #: 3497283.1s  
 DATE: January 17, 2013 11:27 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**1**  
**SSW**  
**0 - 1/8 Mile**  
**Higher**

**FED USGS      USGS2119128**

Agency cd:	USGS	Site no:	404050073502201
Site name:	Q 1477. 1	EDR Site id:	USGS2119128
Latitude:	404050	Dec lat:	40.68065883
Longitude:	0735022	Coor meth:	M
Dec lon:	-73.83902369	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1326		
Altitude:	34.0		
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:	160.	Hole depth:	178.
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data end date:	Not Reported	Water quality data begin date:	Not Reported
Ground water data begin date:	Not Reported	Water quality data count:	Not Reported
Ground water data count:	Not Reported	Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

**2**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS2118878**

Agency cd:	USGS	Site no:	404152073505202
Site name:	Q 68. 1	EDR Site id:	USGS2118878
Latitude:	404108	Dec lat:	40.68565874
Longitude:	0735032	Coor meth:	M
Dec lon:	-73.84180155	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1303		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	35.0		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
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:	132.	Hole depth:	Not Reported
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

**3**

**WSW**

**1/4 - 1/2 Mile**

**Lower**

**FED USGS**

**USGS2119311**

Agency cd:	USGS	Site no:	404047073504201
Site name:	Q 1281. 1		
Latitude:	404047	EDR Site id:	USGS2119311
Longitude:	0735042	Dec lat:	40.67982551
Dec lon:	-73.8445794	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QJ1396	Map scale:	Not Reported
Altitude:	29.0		
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:	39.	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

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 0000-00-00  
 Ground water data begin date: 1911-10-11  
 Ground water data count: 359

Water quality data begin date: 0000-00-00  
 Water quality data count: 0  
 Ground water data end date: 1974-04-04

Ground-water levels, Number of Measurements: 359

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1974-04-04		0.71	1973-04-06		-3.02
1972-06-16		-3.23	1972-03-29		-3.30
1971-03-08		-3.45	1970-03-11		-3.37
1969-03-18		-2.67	1967-03-20		-3.47
1966-04-20		-3.58	1965-09-14		-3.24
1965-06-07		-2.71	1964-11-18		-3.12
1964-02-14		-1.98	1962-11-08		-2.01
1962-04-26		-1.24	1962-01-03		-1.57
1961-02-28		-2.17	1960-07-18		-2.96
1960-01-04		-3.95	1959-03-19		-2.94
1957-12-23		-2.64	1956-12-26		-1.13
1956-01-20		-0.44	1954-12-30		-1.01
1954-06-28		-1.25	1954-05-24		-1.04
1954-04-27		-0.99	1954-03-24		-0.77
1954-02-24		-0.64	1954-01-25		-0.46
1953-12-19		-0.39	1953-11-24		-0.52
1953-11-02		-0.64	1953-10-01		-0.52
1953-08-26		-0.22	1953-08-18		-0.28
1953-07-30		-0.24	1953-06-24		0.15
1953-05-27		0.45	1953-04-28		0.61
1953-03-26		0.16	1953-02-27		0.09
1953-02-13		0.03	1952-12-29		-0.12
1952-12-08		-0.18	1952-11-07		-0.16
1952-09-24		0.13	1952-08-25		0.27
1952-07-28		0.09	1952-06-24		0.35
1952-05-27		0.26	1952-04-30		-0.02
1952-03-24		-0.13	1952-02-20		-0.19
1952-01-31		-0.20	1951-12-21		-0.33
1951-11-29		-0.17	1951-10-31		-0.48
1951-09-27		-0.61	1951-08-29		-0.47
1951-07-25		-0.65	1951-06-26		-0.48
1951-05-31		-0.41	1951-05-01		-0.48
1951-03-27		-0.55	1951-02-26		-1.07
1951-01-30		-1.18	1950-12-18		-0.93
1950-11-27		-1.14	1950-10-30		-1.14
1950-09-25		-1.05	1950-08-28		-1.03
1950-07-25		-1.07	1950-06-27		-1.03
1950-05-25		-0.92	1950-04-26		-1.03
1950-03-28		-0.95	1950-03-01		-0.92
1950-01-24		-1.18	1949-12-27		-1.30
1949-11-29		-1.80	1949-10-27		-1.59
1949-09-29		-1.61	1949-08-26		-1.50
1949-07-27		-1.32	1949-06-30		-1.16
1949-05-31		-0.84	1949-04-27		-0.80
1949-03-28		-0.74	1949-02-23		-1.00
1949-01-25		-1.14	1948-12-30		-1.51
1948-12-09		-1.10	1948-11-02		-1.36
1948-09-28		-1.25	1948-08-30		-0.86
1948-07-27		-1.02	1948-06-28		-1.26
1948-06-02		-1.30	1948-05-06		-1.37

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1948-03-25		-1.70	1948-03-03		-2.08
1948-02-11		-1.70	1948-01-06		-2.18
1947-11-26		-2.20	1947-11-03		-2.45
1947-10-08		-2.54	1947-09-02		-2.41
1947-07-30		-2.02	1947-07-11		-1.97
1947-07-03		-1.81	1947-07-02		-1.79
1947-07-01		-1.76	1947-06-30		-1.73
1947-06-26		-1.71	1947-05-26		-1.57
1947-05-06		-1.67	1947-04-03		-2.03
1947-03-04		-1.91	1947-01-27		-1.83
1946-12-30		-1.63	1946-11-25		-1.41
1946-10-23		-1.23	1946-09-27		-1.27
1946-08-29		-0.91	1946-07-29		-0.81
1946-07-01		-0.83	1946-06-17		-1.02
1946-05-09		-1.68	1946-04-12		-1.55
1946-03-15		-1.51	1946-02-14		-1.32
1946-01-10		-1.57	1945-12-04		-1.63
1945-11-02		-1.60	1945-10-09		-1.45
1945-09-13		-1.49	1945-08-08		-1.16
1945-07-04		-1.50	1945-06-05		-0.61
1945-04-27		-1.29	1945-04-03		-1.25
1945-03-05		-1.23	1945-02-05		-1.12
1945-01-03		-1.02	1944-12-05		-1.19
1944-10-28		-1.25	1944-10-05		-1.26
1944-09-01		-1.66	1944-08-01		-1.31
1944-07-03		-0.86	1944-06-03		-0.60
1944-04-25		-0.82	1944-03-29		-1.27
1944-03-07		-0.98	1944-01-29		-0.93
1944-01-01		-0.99	1943-11-27		-0.94
1943-10-30		-1.39	1943-09-25		-1.69
1943-08-28		-1.68	1943-07-31		-1.58
1943-06-26		-1.29	1943-05-29		-0.96
1943-05-01		-0.90	1943-03-27		-1.08
1943-02-27		-1.19	1943-01-02		-1.61
1942-12-26		-1.58	1942-12-19		-1.69
1942-12-12		-1.75	1942-12-05		-1.62
1942-11-28		-1.77	1942-11-21		-1.75
1942-11-14		-1.64	1942-11-07		-1.68
1942-10-31		-1.83	1942-10-24		-1.86
1942-10-17		-2.01	1942-10-10		-2.06
1942-10-03		-2.10	1942-09-26		-2.15
1942-09-19		-2.38	1942-09-12		-2.40
1942-09-05		-2.46	1942-08-29		-2.52
1942-08-22		-2.81	1942-08-15		-2.82
1942-08-08		-2.88	1942-08-01		-3.02
1942-07-25		-3.12	1942-07-18		-3.28
1942-07-11		-3.25	1942-07-04		-3.32
1942-06-27		-3.35	1942-06-20		-3.39
1942-06-13		-3.39	1942-06-06		-3.38
1942-05-30		-3.32	1942-05-23		-3.27
1942-05-16		-3.31	1942-05-09		-3.35
1942-05-02		-3.35	1942-04-25		-3.32
1942-04-18		-3.32	1942-04-11		-3.37
1942-04-04		-3.41	1942-03-28		-3.47
1942-03-21		-3.52	1942-03-14		-3.60

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-03-07		-3.62	1942-02-28		-3.60
1942-02-21		-3.58	1942-02-14		-3.56
1942-02-07		-3.62	1942-01-31		-3.57
1942-01-24		-3.48	1942-01-17		-3.42
1942-01-10		-3.38	1942-01-03		-3.36
1941-12-27		-3.32	1941-12-20		-3.30
1941-12-13		-3.37	1941-12-06		-3.26
1941-11-29		-3.20	1941-11-22		-3.16
1941-11-15		-3.16	1941-11-08		-3.07
1941-11-01		-3.19	1941-10-25		-3.06
1941-10-18		-3.05	1941-10-11		-3.07
1941-10-04		-3.07	1941-09-27		-2.98
1941-09-20		-2.89	1941-09-13		-2.78
1941-09-06		-2.71	1941-08-30		-2.65
1941-08-23		-2.66	1941-08-16		-2.57
1941-08-09		-2.46	1941-08-02		-2.33
1941-07-26		-2.22	1941-07-19		-2.16
1941-07-12		-2.10	1941-07-05		-2.05
1941-06-28		-1.95	1941-06-21		-1.79
1941-06-14		-1.72	1941-06-07		-1.61
1941-05-31		-1.49	1941-05-24		-1.30
1941-05-17		-1.15	1941-05-10		-1.07
1941-05-03		-0.97	1933-07-25		-0.25
1933-06-29		0.28	1933-05-29		0.25
1933-04-20		0.12	1933-03-03		-0.72
1933-02-01		-1.32	1917-12-12		7.14
1917-11-20		6.99	1917-11-06		6.94
1917-10-20		6.64	1917-09-18		6.74
1917-08-16		6.09	1917-07-24		6.54
1917-06-26		6.34	1917-06-06		6.14
1917-05-21		5.89	1917-05-03		5.69
1917-04-18		5.04	1917-03-27		4.74
1917-03-15		4.44	1917-02-26		3.94
1917-02-08		3.34	1917-01-23		3.14
1917-01-10		3.09	1916-12-22		3.45
1916-12-05		3.55	1916-11-21		3.65
1916-11-09		3.85	1916-10-20		4.15
1916-10-11		4.25	1916-10-04		4.50
1916-09-20		4.70	1916-09-13		4.85
1916-09-05		5.05	1916-08-24		5.40
1916-08-16		5.60	1916-08-08		5.75
1916-08-02		5.95	1916-07-12		6.35
1916-07-07		6.45	1916-07-06		6.45
1916-06-27		6.50	1916-06-20		6.60
1916-06-13		6.50	1916-06-06		6.45
1916-05-29		6.50	1916-05-24		6.45
1916-05-18		6.40	1916-05-09		6.25
1916-05-01		5.95	1916-04-25		5.85
1916-04-18		5.70	1916-04-10		5.45
1916-04-03		5.25	1916-03-28		5.20
1916-03-20		4.95	1916-03-13		4.85
1916-03-06		4.80	1916-02-28		4.70
1916-02-21		4.25	1916-02-11		4.35
1916-02-04		4.45	1916-01-28		4.50
1916-01-21		4.55	1916-01-14		4.65

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1916-01-01		4.60	1915-12-24		4.65
1914-01-30		6.14	1914-01-13		6.14
1913-12-23		5.64	1913-12-03		5.79
1913-11-17		5.89	1913-10-31		5.94
1913-10-15		5.74	1913-09-23		5.99
1913-09-06		6.29	1913-08-20		6.59
1913-07-22		7.14	1913-07-03		7.79
1913-06-18		8.29	1913-06-04		8.59
1913-05-16		8.44	1913-05-01		8.09
1913-04-10		7.04	1913-03-24		6.74
1913-03-06		6.54	1913-02-18		6.34
1913-01-31		6.34	1913-01-15		6.19
1912-12-25		6.19	1912-12-10		6.44
1912-11-26		7.04	1912-11-11		6.84
1912-10-24		6.64	1912-10-10		6.74
1912-09-19		6.94	1912-09-06		7.14
1912-08-22		7.24	1912-08-08		7.34
1912-07-19		7.79	1912-07-05		8.14
1912-06-20		8.49	1911-10-26		5.39
1911-10-11		5.24			

**A4  
NNE  
1/4 - 1/2 Mile  
Higher**

**FED USGS USGS2119055**

Agency cd:	USGS	Site no:	404112073500901
Site name:	Q 3160. 1	EDR Site id:	USGS2119055
Latitude:	404112	Dec lat:	40.68676984
Longitude:	0735009	Coor meth:	M
Dec lon:	-73.83541248	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1333		
Altitude:	45.0		
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:	65.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	1		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
		Peak flow data end date:	0000-00-00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 2000-05-10  
 Ground water data begin date: 1984-03-02  
 Ground water data count: 580

Water quality data begin date: 2000-05-10  
 Water quality data count: 1  
 Ground water data end date: 2005-02-01

Ground-water levels, Number of Measurements: 580

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-01		12.59	2005-01-30		12.66
2005-01-25		12.69	2005-01-20		12.70
2005-01-15		12.56	2005-01-10		12.68
2005-01-05		12.63	2005-01-05		12.67
2005-01-04		12.62	2004-12-30		12.56
2004-12-25		12.57	2004-12-20		12.66
2004-12-15		12.57	2004-12-10		12.70
2004-12-05		12.63	2004-11-30		12.63
2004-11-29		12.64	2004-11-28		12.72
2004-11-25		12.82	2004-11-20		12.71
2004-11-15		12.68	2004-11-10		12.66
2004-11-05		12.83	2004-11-03		12.77
2004-10-30		12.85	2004-10-25		12.81
2004-10-20		12.77	2004-10-15		12.86
2004-10-10		12.79	2004-10-05		12.71
2004-10-01		12.68	2004-09-30		12.67
2004-09-25		12.60	2004-09-20		12.53
2004-09-15		12.57	2004-09-10		12.54
2004-09-05		12.48	2004-09-01		12.51
2004-08-30		12.55	2004-08-25		12.47
2004-08-20		12.53	2004-08-15		12.49
2004-08-10		12.51	2004-08-05		12.50
2004-08-04		12.50	2004-08-03		12.48
2004-07-30		12.42	2004-07-25		12.32
2004-07-20		12.39	2004-07-15		12.44
2004-07-10		12.38	2004-07-05		12.44
2004-06-30		12.38	2004-06-29		12.40
2004-06-28		12.40	2004-06-25		12.39
2004-06-20		12.40	2004-06-15		12.41
2004-06-10		12.42	2004-06-05		12.36
2004-06-03		12.35	2004-05-30		12.34
2004-05-25		12.35	2004-05-20		12.29
2004-05-15		12.29	2004-05-10		12.25
2004-05-05		12.21	2004-04-30		12.12
2004-04-28		12.10	2004-04-25		12.06
2004-04-20		12.06	2004-04-15		12.00
2004-04-10		11.97	2004-04-05		12.05
2004-03-30		12.01	2004-03-25		11.98
2004-03-25		11.98	2004-03-20		12.08
2004-03-15		12.13	2004-03-10		12.13
2004-03-05		12.22	2004-02-26		12.22
2004-02-25		12.27	2004-02-20		12.37
2004-02-15		12.32	2004-02-10		12.37
2004-02-08		12.17	2004-02-05		12.49
2004-01-30		12.41	2004-01-25		12.29
2004-01-20		12.35	2004-01-15		12.39
2004-01-10		12.50	2004-01-05		12.30
2004-01-05		12.30	2004-01-04		12.29
2004-01-01		12.15	2003-12-03		11.97
2003-11-10		11.94	2003-11-05		11.96

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-10-30		11.94	2003-10-25		11.94
2003-10-22		12.10	2003-10-20		12.00
2003-10-15		12.12	2003-10-10		12.03
2003-10-05		12.09	2003-09-30		12.06
2003-09-29		12.11	2003-09-28		12.16
2003-09-25		12.12	2003-09-20		12.12
2003-09-15		12.16	2003-09-10		12.14
2003-09-05		12.22	2003-08-30		12.22
2003-08-25		12.28	2003-08-25		12.27
2003-08-24		12.25	2003-08-20		12.26
2003-08-15		12.30	2003-08-10		12.32
2003-08-05		12.37	2003-07-31		12.30
2003-07-30		12.30	2003-07-25		12.30
2003-07-20		12.30	2003-07-15		12.26
2003-07-10		12.21	2003-07-05		12.15
2003-06-30		12.05	2003-06-25		11.96
2003-06-25		11.96	2003-06-24		11.94
2003-06-20		11.86	2003-06-15		11.77
2003-06-10		11.67	2003-06-05		11.61
2003-05-30		11.56	2003-05-28		11.55
2003-05-25		11.51	2003-05-20		11.48
2003-05-15		11.44	2003-05-10		11.50
2003-05-05		11.44	2003-04-30		11.41
2003-04-29		11.45	2003-04-28		11.42
2003-04-25		11.41	2003-04-20		11.35
2003-04-15		11.31	2003-04-10		11.30
2003-04-05		11.29	2003-03-31		10.87
2003-03-30		11.26	2003-03-25		11.20
2003-03-20		11.15	2003-03-18		11.18
2003-03-15		11.12	2003-03-10		11.07
2003-03-05		10.91	2003-03-04		11.00
2003-03-03		11.23	2003-02-25		11.33
2003-02-20		10.98	2003-02-15		10.88
2003-02-10		10.97	2003-02-05		10.85
2003-01-31		10.87	2003-01-30		10.82
2003-01-25		10.78	2003-01-20		10.78
2003-01-15		10.89	2003-01-10		10.65
2003-01-09		10.66	2003-01-08		10.67
2003-01-05		10.57	2002-12-30		10.45
2002-12-25		10.54	2002-12-20		10.51
2002-12-15		10.42	2002-12-10		10.36
2002-12-05		10.32	2002-12-02		10.23
2002-11-30		10.23	2002-11-25		10.17
2002-11-20		10.11	2002-11-15		10.13
2002-11-10		10.05	2002-11-06		10.03
2002-11-05		10.15	2002-10-30		9.97
2002-10-25		10.07	2002-10-20		9.92
2002-10-15		9.81	2002-10-10		9.79
2002-10-05		9.51	2002-10-02		9.58
2002-09-30		9.52	2002-09-25		9.51
2002-09-20		9.49	2002-09-15		9.46
2002-09-10		9.44	2002-09-05		9.34
2002-08-30		9.13	2002-08-30		9.11
2002-08-29		9.08	2002-08-25		9.17
2002-08-20		9.15	2002-08-15		9.14

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-08-10		9.16	2002-08-05		9.24
2002-07-30		9.28	2002-07-30		9.28
2002-07-29		9.31	2002-07-25		9.25
2002-07-20		9.28	2002-07-15		9.28
2002-07-10		9.27	2002-07-05		9.25
2002-06-30		9.19	2002-06-27		9.22
2002-06-25		9.19	2002-06-20		9.11
2002-06-15		9.16	2002-06-10		9.10
2002-06-05		9.06	2002-05-30		9.03
2002-05-25		8.96	2002-05-22		8.95
2002-05-20		8.95	2002-05-15		8.92
2002-05-10		8.86	2002-05-05		8.79
2002-04-30		8.79	2002-04-25		8.73
2002-04-20		8.73	2002-04-15		8.73
2002-04-10		8.67	2002-04-05		8.67
2002-03-30		8.62	2002-03-28		8.95
2002-03-25		9.11	2002-03-20		9.06
2002-03-15		9.05	2002-03-10		9.12
2002-03-05		9.32	2002-02-25		9.33
2002-02-21		9.14	2002-02-20		9.28
2002-02-15		9.39	2002-02-10		9.44
2002-02-05		9.38	2002-01-30		9.36
2002-01-25		9.35	2002-01-20		9.42
2002-01-15		9.34	2002-01-10		9.30
2002-01-05		9.48	2001-12-30		9.41
2001-12-25		9.44	2001-12-20		9.32
2001-12-15		9.53	2001-12-10		9.68
2001-12-05		9.64	2001-11-30		9.54
2001-11-27		9.58	2001-11-25		9.58
2001-11-20		9.66	2001-11-15		9.67
2001-11-10		9.70	2001-11-05		9.72
2001-10-30		9.71	2001-10-25		9.83
2001-10-20		9.79	2001-10-15		9.83
2001-10-11		9.81	2001-10-10		9.86
2001-10-05		9.60	2001-09-30		9.68
2001-09-25		9.58	2001-09-20		9.77
2001-09-15		9.85	2001-09-10		9.86
2001-09-05		9.89	2001-08-30		9.95
2001-08-25		10.05	2001-08-20		9.98
2001-08-15		10.11	2001-08-10		10.07
2001-08-05		10.08	2001-07-30		10.12
2001-07-30		10.07	2001-07-25		10.2
2001-07-20		10.25	2001-07-15		10.28
2001-07-10		10.17	2001-07-05		10.25
2001-06-30		10.19	2001-06-25		10.15
2001-06-21		10.12	2001-06-20		10.1
2001-06-15		10.13	2001-06-10		10
2001-06-05		10.03	2001-05-30		10.02
2001-05-25		10.16	2001-05-20		10.15
2001-05-17		10.07	2001-05-16		10.09
2001-05-15		10.08	2001-05-10		10.06
2001-05-05		10.02	2001-04-30		9.98
2001-04-25		9.89	2001-04-20		9.84
2001-04-15		9.79	2001-04-10		9.66
2001-04-05		9.55	2001-03-30		9.45

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2001-03-25		9.36	2001-03-20		9.24
2001-03-15		9.27	2001-03-10		9.25
2001-03-05		9.3	2001-02-25		9.19
2001-02-20		9.19	2001-02-15		9.21
2001-02-10		9.2	2001-02-05		9.2
2001-01-30		9.21	2001-01-25		9.18
2001-01-20		9.2	2001-01-15		9.2
2001-01-10		9.21	2001-01-05		9.29
2000-12-30		9.34	2000-12-25		9.26
2000-12-20		9.33	2000-12-15		9.3
2000-12-10		9.35	2000-12-05		9.45
2000-11-30		9.45	2000-11-25		9.43
2000-11-21		9.52	2000-11-20		9.51
2000-11-15		9.54	2000-11-10		9.64
2000-11-05		9.62	2000-10-30		9.66
2000-10-25		9.67	2000-10-23		9.61
2000-10-20		9.68	2000-10-15		9.74
2000-10-10		9.77	2000-10-05		9.79
2000-09-30		9.73	2000-09-25		9.81
2000-09-20		9.83	2000-09-15		9.84
2000-09-10		9.79	2000-09-05		9.75
2000-08-30		9.78	2000-08-25		9.78
2000-08-20		9.73	2000-08-15		9.72
2000-08-10		9.69	2000-08-05		9.66
2000-07-30		9.62	2000-07-25		9.52
2000-07-20		9.58	2000-07-15		9.6
2000-07-10		9.59	2000-07-05		9.58
2000-06-30		9.55	2000-06-25		9.52
2000-06-20		9.49	2000-06-15		9.48
2000-06-10		9.43	2000-06-05		9.37
2000-05-30		9.31	2000-05-25		9.34
2000-05-20		9.27	2000-05-15		9.21
2000-05-10		9.24	2000-05-10		9.26
2000-05-05		9.2	2000-04-30		9.15
2000-04-25		9.11	2000-04-20		9.05
2000-04-10		8.95	2000-04-05		8.98
2000-03-30		8.91	2000-03-25		8.93
2000-03-23		8.87	2000-03-20		8.81
2000-03-15		8.8	2000-03-10		8.83
2000-03-05		8.88	2000-02-25		8.85
2000-02-20		8.86	2000-02-15		8.88
2000-02-10		8.91	2000-02-05		8.91
2000-01-30		8.88	2000-01-25		9.02
2000-01-15		8.84	2000-01-10		8.99
2000-01-05		8.92	1999-12-30		8.98
1999-12-25		8.92	1999-12-20		8.96
1999-12-15		8.96	1999-12-10		9.02
1999-12-05		8.99	1999-11-30		8.98
1999-11-25		9.02	1999-11-20		9.05
1999-11-15		9.13	1999-11-10		9.1
1999-11-05		9.03	1999-10-30		9.01
1999-10-25		9.03	1999-10-20		9.06
1999-10-15		9.03	1999-10-10		9.1
1999-10-06		9.09	1999-10-05		9.09
1999-07-16		9.48	1999-03-31		9.54

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1998-10-05		10.34	1998-07-14		11.32
1998-06-09		11.47	1998-05-07		11.26
1998-04-29		11.25	1998-03-25		11.17
1998-02-26		11.24	1998-01-27		11.22
1997-12-29		11.53	1997-11-26		11.01
1997-10-31		12.26	1997-09-26		12.94
1997-07-22		12.75	1997-06-23		12.99
1997-05-22		12.98	1997-03-17		12.54
1997-02-28		12.57	1997-01-29		12.60
1997-01-10		12.79	1996-09-27		12.06
1996-07-03		12.13	1996-01-30		11.13
1995-11-30		10.88	1995-09-28		10.69
1995-07-20		10.90	1995-05-24		10.99
1995-03-16		11.15	1995-01-26		11.05
1994-12-21		11.03	1994-10-26		11.20
1994-09-22		11.24	1994-08-25		11.32
1994-07-25		11.53	1994-06-29		11.79
1994-05-19		11.72	1994-04-22		11.40
1994-03-24		11.00	1993-12-28		10.33
1993-11-23		10.33	1993-10-28		10.48
1993-09-21		10.57	1993-08-24		10.87
1993-07-15		11.43	1993-06-23		11.68
1993-05-19		12.11	1993-04-28		12.06
1993-03-23		11.30	1993-02-23		11.41
1993-01-27		11.39	1992-12-30		11.20
1992-11-19		10.95	1992-10-27		11.07
1992-09-17		11.10	1992-08-26		10.92
1992-07-16		10.62	1992-06-23		10.66
1992-05-13		10.77	1992-04-15		10.75
1992-03-17		10.98	1992-02-20		11.12
1992-01-22		11.22	1991-12-18		11.47
1991-11-14		11.65	1991-10-17		11.86
1991-09-17		12.01	1991-08-16		11.91
1991-07-16		12.12	1991-06-13		12.31
1991-05-15		12.24	1991-04-16		12.14
1991-03-19		12.12	1991-02-11		11.93
1991-01-29		11.87	1990-12-11		11.76
1990-11-14		11.75	1990-10-12		11.81
1990-09-14		11.89	1990-08-17		11.82
1990-07-17		11.78	1990-06-21		11.72
1990-05-24		11.41	1990-04-23		11.18
1990-03-31		11.15	1990-02-22		11.29
1990-01-30		11.39	1989-12-20		11.71
1989-11-15		11.93	1989-11-02		11.82
1989-10-04		11.81	1989-08-23		11.67
1989-07-24		11.34	1989-06-21		10.72
1989-05-18		9.69	1989-04-27		9.49
1989-04-04		9.28	1989-02-10		9.33
1989-01-18		9.41	1988-12-12		9.22
1988-11-21		9.05	1988-10-18		9.02
1988-09-19		9.04	1988-08-22		9.03
1988-07-18		9.08	1988-06-29		9.15
1988-04-26		9.03	1988-03-31		9.13
1987-11-23		8.89	1987-10-29		8.88
1987-09-30		8.90	1987-08-25		8.88

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1987-07-29		9.06	1987-06-24		9.24
1987-05-26		9.22	1987-04-30		9.15
1987-03-26		9.07	1986-12-17		7.71
1986-11-26		7.52	1986-10-29		7.39
1986-10-01		7.34	1986-08-21		7.06
1986-07-24		6.96	1986-06-30		7.13
1986-05-19		7.31	1986-04-22		7.39
1986-04-02		7.33	1986-02-28		7.10
1986-01-16		6.85	1985-12-17		6.73
1985-11-18		6.61	1985-10-23		6.53
1985-09-25		6.47	1985-08-21		6.60
1985-07-25		6.54	1985-06-20		6.62
1985-05-20		7.23	1985-04-22		7.62
1985-03-22		8.08	1985-02-21		8.42
1985-01-30		8.72	1984-12-19		8.82
1984-11-26		8.91	1984-10-23		7.72
1984-09-24		9.20	1984-08-27		9.34
1984-07-23		8.12	1984-06-20		8.22
1984-05-23		7.36	1984-04-23		6.92
1984-03-28		6.36	1984-03-02		6.08

**A5  
NNE  
1/4 - 1/2 Mile  
Higher**

**FED USGS USGS2119062**

Agency cd:	USGS	Site no:	404113073501101
Site name:	Q 1484. 1	EDR Site id:	USGS2119062
Latitude:	404113	Dec lat:	40.68704761
Longitude:	0735011	Coor meth:	M
Dec lon:	-73.83596805	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1333		
Altitude:	44.0		
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:	145.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
		Peak flow data end date:	0000-00-00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 1970-07-16  
 Ground water data begin date: 0000-00-00  
 Water quality data count: 1  
 Ground water data end date: 0000-00-00  
 Ground water data count: 0

Ground-water levels, Number of Measurements: 0

**A6  
NNE  
1/4 - 1/2 Mile  
Higher**

**FED USGS      USGS2119063**

Agency cd:	USGS	Site no:	404113073501102
Site name:	Q 1254. 1	EDR Site id:	USGS2119063
Latitude:	404113	Dec lat:	40.68704761
Longitude:	0735011	Coor meth:	M
Dec lon:	-73.83596805	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1333		
Altitude:	56.0		
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:	65.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1940-10-26	Water quality data count:	0
Ground water data count:	497	Ground water data end date:	1998-03-25

Ground-water levels, Number of Measurements: 497

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1998-03-25		11.78	1997-03-17		12.84
1996-03-11		11.21	1995-03-16		11.53
1994-03-24		12.97	1993-03-23		13.43
1992-07-28		11.05	1992-03-17		11.63
1991-03-19		11.67	1990-03-31		11.09
1989-04-12		7.96	1988-06-13		17.53
1983-07-25		5.47			
Note: Well was plugged and not in hydraulic contact with formation..					
1983-06-21		5.54	1983-05-23		4.95
1983-04-21		5.14	1983-03-22		3.56

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1983-02-25		3.50	1983-01-24		3.54
1983-01-04		3.57	1982-12-06		3.54
1982-10-20		3.80	1982-09-20		3.44
1982-08-19		3.54	1982-07-21		3.71
1982-06-23		4.19	1982-05-18		3.84
1982-04-22		4.24	1982-02-24		4.44
1982-01-25		3.74	1981-12-21		4.14
1981-11-24		3.83	1981-10-27		3.58
1981-09-21		3.69	1981-08-24		4.04
1981-07-20		4.11	1981-06-22		4.24
1981-05-21		4.54	1981-04-21		5.84
1981-03-23		5.30	1981-02-25		5.64
1981-01-26		5.66	1980-12-24		5.81
1980-11-24		6.16	1980-10-21		6.59
1980-09-22		6.25	1980-08-21		6.42
1980-07-21		5.74	1980-06-20		6.39
1980-05-21		5.94	1980-04-22		5.84
1980-03-21		5.70	1980-02-25		5.73
1980-01-30		5.99	1980-01-22		6.13
1979-12-18		6.44	1979-11-23		6.74
1979-10-22		6.60	1979-09-25		6.37
1979-08-27		6.48	1979-07-23		6.66
1979-06-21		6.65	1979-05-21		6.04
1979-04-25		6.24	1979-03-19		6.05
1979-02-28		6.14	1979-01-29		5.67
1978-12-18		5.74	1978-11-24		5.84
1978-10-25		5.64	1978-09-27		5.80
1978-08-30		5.75	1978-07-21		5.82
1978-06-22		6.18	1978-05-24		5.73
1978-04-28		5.94	1978-03-28		5.41
1978-02-23		4.87	1978-01-30		4.69
1978-01-03		4.80	1977-11-25		3.97
1977-10-25		4.67	1977-09-27		3.78
1977-08-29		4.39	1977-06-24		4.44
1977-05-23		4.54	1977-04-27		4.23
1977-03-21		4.84	1977-02-22		4.64
1977-01-31		4.77	1976-12-28		5.09
1976-11-26		4.62	1976-11-04		5.07
1976-09-27		4.81	1976-08-25		4.50
1976-07-26		4.55	1976-06-28		4.79
1976-05-26		4.98	1976-04-22		4.89
1976-03-29		5.04	1976-02-25		5.34
1976-01-29		4.73	1975-12-29		4.27
1975-11-25		4.45	1975-11-05		4.44
1975-09-30		3.53	1975-09-02		3.41
1975-07-28		3.81	1975-06-25		3.85
1975-06-02		2.71	1975-04-29		2.44
1975-03-20		2.25	1975-02-27		1.74
1975-02-03		1.48	1974-12-20		2.04
1974-11-27		1.65	1974-11-07		1.07
1974-10-29		2.55	1974-09-25		0.26
1974-09-09		0.89	1974-06-25		-0.10
1974-03-21		-0.99	1973-06-25		-1.80
1973-04-04		-2.40	1972-12-21		-3.75
1972-10-10		-8.96	1972-06-16		-8.77

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1972-03-21		-9.19	1972-01-03		-9.33
1971-09-28		-9.32	1971-08-06		-10.43
1971-04-19		-9.96	1971-03-08		-9.62
1971-02-09		-8.88	1970-11-04		-9.91
1970-04-30		-9.75	1970-02-27		-9.79
1970-01-28		-9.62	1969-11-03		-9.86
1969-09-02		-10.96	1969-08-04		-10.34
1969-06-26		-10.68	1969-05-28		-11.04
1969-05-01		-10.52	1969-03-28		-10.72
1969-02-28		-9.68	1969-01-31		-10.22
1968-12-30		-9.56	1968-12-03		-10.28
1968-10-30		-9.85	1968-10-01		-10.26
1968-09-04		-10.10	1968-07-31		-10.04
1968-07-02		-10.02	1968-06-03		-9.61
1968-05-01		-10.09	1968-03-28		-9.42
1968-03-19		-9.25	1968-02-29		-9.60
1968-02-01		-8.59	1968-01-02		-8.69
1967-12-01		-9.08	1967-10-31		-9.20
1967-10-03		-9.59	1967-08-31		-9.56
1967-07-31		-9.53	1967-07-05		-9.43
1967-05-31		-9.39	1967-05-02		-10.18
1967-04-03		-10.07	1967-03-01		-9.79
1967-01-27		-10.36	1967-01-03		-10.16
1966-11-28		-10.64	1966-10-31		-10.87
1966-09-30		-11.03	1966-09-02		-11.29
1966-07-28		-11.04	1966-07-01		-10.56
1966-05-31		-9.80	1966-04-29		-9.51
1966-03-31		-9.29	1966-03-02		-9.36
1966-02-01		-9.20	1966-01-04		-9.10
1965-12-03		-9.05	1965-11-03		-9.27
1965-10-05		-9.38	1965-09-01		-9.29
1965-07-22		-9.63	1965-07-01		-9.56
1965-05-27		-9.36	1965-04-29		-9.23
1965-04-02		-9.24	1965-03-01		-8.68
1965-02-01		-8.32	1964-12-30		-8.31
1964-12-02		-8.81	1964-11-02		-8.82
1964-10-01		-8.79	1964-08-28		-9.21
1964-07-28		-8.93	1964-07-02		-8.89
1964-06-02		-8.24	1964-05-01		-8.64
1964-03-31		-8.11	1964-03-04		-6.75
1964-01-28		-7.58	1964-01-03		-8.05
1963-12-03		-8.25	1963-10-25		-8.49
1963-10-03		-8.63	1963-08-29		-8.44
1963-07-31		-8.65	1963-06-26		-8.06
1963-05-28		-7.35	1963-05-01		-7.31
1963-03-29		-7.15	1963-03-04		-7.42
1963-01-29		-7.36	1963-01-03		-7.13
1962-12-03		-6.48	1962-10-31		-6.30
1962-10-03		-7.51	1962-08-29		-7.75
1962-07-31		-8.08	1962-07-02		-8.35
1962-05-29		-7.63	1962-04-27		-7.80
1962-03-27		-7.83	1962-03-01		-7.21
1962-02-01		-7.19	1962-01-05		-7.10
1961-12-29		-6.95	1961-11-28		-7.20
1961-10-31		-6.80	1961-09-29		-7.38

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1961-08-29		-6.83	1961-07-29		-6.93
1961-06-27		-6.67	1961-05-29		-7.12
1961-04-26		-7.80	1961-03-27		-7.93
1961-02-28		-8.12	1961-01-30		-7.97
1960-11-29		-7.81	1960-11-01		-8.66
1960-09-27		-8.48	1960-08-30		-8.51
1960-07-26		-9.26	1960-01-06		-9.85
1959-10-27		-9.80	1959-10-15		-9.90
1959-09-18		-7.80	1959-03-24		-7.36
1957-12-23		-7.63	1956-12-18		-6.46
1956-01-20		-5.26	1954-12-30		-6.81
1954-06-28		-5.74	1954-05-24		-5.48
1954-04-26		-5.17	1954-03-24		-3.61
1954-02-23		-3.23	1954-01-25		-3.75
1953-12-19		-3.55	1953-11-24		-3.89
1953-11-02		-4.52	1953-10-01		-2.83
1953-08-26		-2.72	1953-08-19		-2.73
1953-06-30		-2.44	1953-06-24		-3.33
1953-05-27		-3.75	1953-04-28		-3.81
1953-03-26		-2.29	1953-03-02		-3.35
1953-02-11		-2.72	1952-12-29		-2.38
1952-12-08		-1.68	1952-11-07		-2.23
1952-09-24		-1.13	1952-08-27		-1.16
1952-07-28		-1.32	1952-06-24		-1.61
1952-05-27		-2.21	1952-04-30		-4.09
1952-03-23		-4.51	1952-02-21		-4.62
1952-01-31		-3.04	1951-12-21		-4.35
1951-11-29		-1.93	1951-10-31		-2.23
1951-10-04		-3.16	1951-09-27		-2.42
1951-08-29		-2.23	1951-07-25		-4.16
1951-06-26		-4.53	1951-05-31		-4.68
1951-04-26		-4.98	1951-03-28		-5.20
1951-02-26		-5.14	1951-01-31		-5.34
1950-12-19		-3.61	1950-11-28		-3.16
1950-10-31		-3.84	1950-09-25		-3.76
1950-08-29		-3.64	1950-07-25		-3.34
1950-06-27		-3.55	1950-05-25		-2.14
1950-04-26		-2.21	1950-03-28		-2.32
1950-02-27		-3.94	1950-01-25		-2.43
1949-12-28		-4.40	1949-11-29		-5.28
1949-10-27		-4.75	1949-09-29		-4.90
1949-08-26		-3.74	1949-07-27		-4.67
1949-06-30		-4.44	1949-05-31		-4.26
1949-04-27		-3.89	1949-03-28		-1.58
1949-02-23		-1.96	1949-01-25		-2.07
1948-12-31		-2.14	1948-12-09		-2.00
1948-11-02		-1.97	1948-09-28		-1.97
1948-08-30		-1.57	1948-07-27		-1.76
1948-06-28		-2.28	1948-06-02		-2.30
1948-04-27		-2.65	1948-03-25		-3.01
1948-03-03		-2.93	1948-02-10		-2.86
1948-01-06		-3.04	1947-11-25		-3.25
1947-11-03		-3.25	1947-10-08		-3.26
1947-09-02		-3.00	1947-07-30		-2.74
1947-07-11		-2.67	1947-07-03		-2.57

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1947-07-02		-2.56	1947-07-01		-2.58
1947-06-30		-2.59	1947-06-26		-2.59
1947-05-26		-2.60	1947-05-06		-2.72
1947-04-03		-2.68	1947-03-06		-2.46
1947-01-27		-2.24	1946-12-30		-2.02
1946-11-25		-1.87	1946-10-23		-1.67
1946-09-27		-1.50	1946-08-29		-1.34
1946-07-31		-1.16	1946-07-05		-1.17
1946-06-17		-1.42	1946-05-09		-1.58
1946-04-16		-1.51	1946-03-15		-1.39
1946-02-13		-1.39	1946-01-10		-1.62
1945-12-04		-1.58	1945-11-02		-1.46
1945-10-09		-1.35	1945-09-13		-1.26
1945-08-08		-1.23	1945-07-04		-1.28
1945-06-06		-1.18	1945-04-27		-1.11
1945-04-03		-1.04	1945-03-05		-0.99
1945-01-03		-0.99	1944-12-05		-1.26
1944-11-03		-1.20	1944-10-05		-1.26
1944-09-01		-1.09	1944-08-01		-0.74
1944-07-03		-0.34	1944-06-03		-0.05
1944-04-25		-0.53	1944-03-29		-0.77
1944-03-07		-0.26	1944-01-29		-0.39
1944-01-01		-0.50	1943-11-27		-0.75
1943-09-25		-1.31	1943-08-28		-1.23
1943-07-31		-1.09	1943-06-26		-0.76
1943-05-29		-0.49	1943-05-01		-0.47
1943-03-27		-0.77	1943-02-27		-0.91
1943-01-30		-0.95	1943-01-02		-1.17
1942-12-26		-1.21	1942-12-19		-1.24
1942-12-12		-1.35	1942-12-05		-1.37
1942-11-28		-1.41	1942-11-21		-1.47
1942-11-14		-1.58	1942-11-07		-1.68
1942-06-20		-2.24	1942-06-13		-2.19
1942-06-06		-2.10	1942-05-30		-1.99
1942-05-23		-1.94	1942-05-16		-1.92
1942-05-09		-1.93	1942-05-02		-1.91
1942-04-25		-1.96	1942-04-18		-2.09
1942-04-11		-2.13	1942-04-04		-2.13
1942-03-28		-2.13	1942-03-21		-2.11
1942-03-14		-2.09	1942-03-07		-2.05
1942-02-28		-2.04	1942-02-21		-1.99
1942-02-14		-1.97	1942-02-07		-1.94
1942-01-31		-1.89	1942-01-24		-1.86
1942-01-17		-1.84	1942-01-10		-1.82
1942-01-03		-1.74	1941-12-27		-1.71
1941-12-20		-1.70	1941-12-13		-1.66
1941-12-06		-1.65	1941-11-29		-1.60
1941-11-22		-1.58	1941-11-15		-1.55
1941-11-08		-1.52	1941-11-01		-1.52
1941-10-25		-1.51	1941-10-18		-1.49
1941-10-11		-1.52	1941-10-04		-1.49
1941-09-27		-1.43	1941-09-20		-1.33
1941-09-13		-1.26	1941-09-06		-1.18
1941-08-30		-1.12	1941-08-23		-1.05
1941-08-16		-0.98	1941-08-09		-0.89

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-08-02		-0.84	1941-07-26		-0.75
1941-07-19		-0.68	1941-07-12		-0.63
1941-07-05		-0.57	1941-06-28		-0.49
1941-06-21		-0.38	1941-06-14		-0.31
1941-06-07		-0.22	1941-05-31		-0.11
1941-05-24		0.01	1941-05-17		0.16
1941-05-10		0.20	1941-05-03		0.23
1941-04-26		0.26	1941-04-12		0.29
1941-04-05		0.29	1941-03-29		0.26
1941-03-22		0.23	1941-03-15		0.19
1941-03-08		0.13	1941-03-01		0.10
1941-02-22		0.04	1941-02-15		-0.01
1941-02-08		-0.07	1941-02-01		-0.09
1941-01-25		-0.08	1941-01-18		-0.05
1941-01-11		-0.11	1941-01-04		-0.14
1940-12-28		-0.17	1940-12-21		-0.20
1940-12-14		-0.25	1940-12-07		-0.29
1940-11-30		-0.38	1940-11-23		-0.52
1940-11-16		-0.54	1940-11-09		-0.52
1940-11-02		-0.51	1940-10-26		-0.49

7

**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS USGS2119261**

Agency cd:	USGS	Site no:	404041073495601
Site name:	Q 1476. 1	EDR Site id:	USGS2119261
Latitude:	404041	Dec lat:	40.67815889
Longitude:	0734956	Coor meth:	M
Dec lon:	-73.83180126	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1357		
Altitude:	35.0		
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:	147.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
		Peak flow data end date:	0000-00-00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 1970-07-16  
 Ground water data begin date: 0000-00-00  
 Ground water data count: 0

Water quality data begin date: 1970-07-16  
 Water quality data count: 1  
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

**8**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2119014**

Agency cd:	USGS	Site no:	404107073494801
Site name:	Q 1282. 1	EDR Site id:	USGS2119014
Latitude:	404107	Dec lat:	40.68538098
Longitude:	0734948	Coor meth:	M
Dec lon:	-73.82957898	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1364		
Altitude:	40.0		
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:	51.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin 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 end date:	0000-00-00	Water quality data begin date:	0000-00-00
Water quality data count:	0		
Ground water data begin date:	1933-01-31	Ground water data end date:	1975-12-15
Ground water data count:	289		

Ground-water levels, Number of Measurements: 289

Date	Feet below Surface	Feet to Sealevel		Date	Feet below Surface	Feet to Sealevel
1975-12-15		28.66		1975-10-06		27.30
1975-07-01		9.50		1975-03-25		7.27
1974-12-18		4.34		1974-10-01		2.94
1974-09-03		2.10		1974-04-02		0.83
1973-04-06		-0.38		1972-06-16		-2.99
1972-03-29		-3.32		1971-03-08		-3.50
1969-03-18		-4.55		1968-03-19		-4.38
1967-03-20		-4.53		1966-04-20		-4.04
1965-09-14		-3.98		1965-06-07		-3.96
1964-11-18		-4.23		1964-02-14		-4.44

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1962-11-08		-4.62	1962-05-01		-4.68
1961-12-29		-4.93	1961-01-10		-5.00
1960-07-18		-4.24	1960-01-06		-3.16
1959-03-19		-0.95	1958-01-29		-0.81
1956-12-18		-1.23	1956-02-13		-1.80
1954-12-30		-2.15	1954-06-28		-1.53
1954-05-24		-1.20	1954-04-26		-1.02
1954-03-24		-0.87	1954-02-23		-0.77
1954-01-25		-0.67	1953-12-19		-0.16
1953-11-24		0.48	1953-11-02		2.44
1953-10-01		-0.62	1953-08-26		-0.46
1953-08-19		-0.34	1953-07-30		-0.13
1953-06-24		0.18	1953-05-27		0.14
1953-04-28		0.01	1953-03-26		-0.27
1953-03-02		-0.19	1953-02-11		-0.17
1952-12-29		0.15	1952-12-08		0.45
1952-11-07		0.42	1952-09-24		0.84
1952-08-27		0.80	1952-07-28		0.83
1952-06-24		0.56	1952-05-27		0.42
1952-04-30		0.29	1952-03-24		0.02
1952-02-21		-0.24	1952-01-31		-0.27
1951-12-21		0.06	1951-11-29		0.20
1951-10-31		0.08	1951-10-12		2.51
1951-09-27		2.57	1951-08-28		2.59
1951-07-25		2.59	1951-06-26		2.61
1951-05-31		2.62	1951-04-26		2.67
1951-03-28		2.68	1951-02-26		2.71
1951-01-31		2.74	1950-12-19		2.77
1950-11-28		2.59	1950-10-31		2.18
1950-09-25		2.20	1950-08-29		2.24
1950-08-17		2.28	1950-07-25		2.32
1950-06-27		2.34	1950-05-25		2.16
1950-04-26		2.02	1950-03-28		2.06
1950-02-27		2.14	1950-01-25		2.22
1949-12-28		2.30	1949-11-29		2.37
1949-10-27		2.36	1949-09-30		2.53
1949-08-26		1.80	1949-07-27		1.22
1949-06-30		1.39	1949-05-31		1.56
1949-04-27		1.44	1949-03-28		1.67
1949-02-23		1.96	1949-01-25		2.58
1949-01-07		3.40	1948-12-09		0.16
1948-11-02		0.38	1948-09-28		0.58
1948-08-30		0.44	1948-07-29		0.15
1948-06-28		0.14	1948-06-02		0.32
1948-05-06		0.21	1948-03-25		-0.13
1948-03-02		-0.36	1948-02-10		-0.14
1948-01-06		-0.72	1947-11-26		-0.51
1947-11-03		-0.38	1947-10-08		0.10
1947-09-02		-0.30	1947-07-30		-0.28
1947-07-11		-0.20	1947-06-30		0.33
1947-06-26		-0.17	1947-05-26		-0.25
1947-05-06		-0.29	1947-04-03		-0.16
1947-03-14		0.19	1946-12-30		0.52
1946-11-25		0.90	1946-10-23		1.04
1946-09-27		1.15	1946-08-29		1.29

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1946-07-29		1.43	1946-07-05		1.44
1946-06-17		1.25	1946-05-03		1.16
1946-04-16		1.62	1946-03-15		1.28
1946-02-14		1.02	1946-01-10		1.10
1945-12-04		1.09	1945-11-02		1.18
1945-10-09		1.35	1945-09-13		1.38
1945-08-08		1.40	1945-07-04		1.27
1945-06-06		1.44	1945-04-27		1.52
1945-04-03		1.49	1945-03-05		1.45
1945-01-03		1.39	1944-12-05		1.22
1944-11-03		1.23	1944-10-05		1.17
1944-09-01		1.28	1944-08-01		1.61
1944-07-03		1.99	1944-06-03		2.08
1944-04-25		1.72	1944-03-29		1.64
1944-03-05		1.83	1944-01-29		1.78
1944-01-01		1.72	1943-11-27		1.45
1943-09-25		1.27	1943-08-28		1.28
1943-06-26		1.80	1943-05-29		1.89
1943-05-01		1.82	1943-03-27		1.92
1943-02-27		1.30	1943-01-30		1.31
1943-01-02		1.09	1942-12-26		1.05
1942-12-12		1.04	1942-12-05		1.06
1942-11-28		1.04	1942-11-21		1.01
1942-11-14		0.99	1942-11-07		0.98
1942-10-31		0.98	1942-10-24		1.06
1942-10-17		1.05	1942-10-10		0.92
1942-10-03		0.88	1942-09-26		0.85
1942-09-19		0.81	1942-09-12		0.69
1942-09-05		0.62	1942-08-29		0.62
1942-08-22		0.45	1942-08-15		0.41
1942-08-08		0.39	1942-08-01		0.34
1942-07-25		0.36	1942-07-18		0.34
1942-07-11		0.36	1942-07-04		0.55
1942-06-27		0.43	1942-06-20		0.49
1942-06-13		0.52	1942-06-06		0.53
1942-05-30		0.59	1942-05-23		0.56
1942-05-16		0.56	1942-05-09		0.53
1942-05-02		0.52	1942-04-25		0.48
1942-04-18		0.42	1942-04-11		0.32
1942-04-04		0.33	1942-03-28		0.26
1942-03-14		0.23	1942-03-07		0.35
1942-02-28		0.37	1942-02-21		0.35
1942-02-14		0.37	1942-02-07		0.52
1942-01-31		0.46	1942-01-24		0.49
1942-01-17		0.51	1942-01-10		0.51
1942-01-03		0.55	1941-12-27		0.59
1941-12-20		0.62	1941-12-13		0.89
1941-12-06		0.92	1941-11-29		0.78
1941-11-22		0.73	1941-11-15		0.75
1941-11-08		0.88	1941-11-01		0.89
1941-10-25		0.86	1941-10-18		0.87
1941-10-11		0.95	1941-10-04		1.00
1941-09-27		1.04	1941-09-20		1.15
1941-09-13		1.22	1941-08-30		1.40
1941-08-23		1.44	1941-08-16		1.49

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-08-09		1.59	1941-08-02		1.65
1941-07-26		1.72	1941-07-19		1.76
1941-07-12		1.84	1941-07-05		1.91
1941-06-28		1.99	1941-06-21		2.15
1941-06-14		2.14	1941-06-07		2.16
1941-05-31		2.23	1941-05-24		2.31
1941-05-17		2.38	1941-05-10		2.49
1941-05-03		2.36	1939-12-19		2.09
1937-06-21		2.10	1937-03-23		2.13
1936-12-28		1.12	1936-09-29		0.82
1936-08-03		1.23	1936-05-19		1.59
1936-03-10		0.69	1935-12-11		0.59
1935-09-16		1.00	1935-07-02		1.98
1935-05-29		2.15	1935-02-20		2.07
1935-01-11		2.30	1934-12-06		2.39
1934-10-08		1.82	1934-09-21		1.37
1934-08-27		1.21	1934-07-26		1.42
1934-06-12		1.79	1934-04-17		1.77
1934-03-23		1.49	1934-01-09		1.44
1933-12-12		1.82	1933-11-21		1.75
1933-11-01		1.89	1933-09-27		1.37
1933-08-29		1.54	1933-07-25		2.00
1933-06-28		1.92	1933-05-23		1.50
1933-04-20		0.94	1933-03-03		0.45
1933-01-31		0.17			

9

**NNW  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2118888**

Agency cd:	USGS	Site no:	404122073503301
Site name:	Q 355. 1	EDR Site id:	USGS2118888
Latitude:	404122	Dec lat:	40.68954756
Longitude:	0735033	Coor meth:	M
Dec lon:	-73.84207933	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1301		
Altitude:	45.0		
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:	114.	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

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0	Water quality data begin date: 1970-07-16
Water quality data end date: 1970-07-16	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

**B10**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS2119202**

Agency cd: USGS	Site no: 404101073510201
Site name: Q 353. 1	
Latitude: 404101	EDR Site id: USGS2119202
Longitude: 0735102	Dec lat: 40.68371432
Dec lon: -73.85013512	Coor meth: M
Coor accr: S	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 36
State: 36	County: 081
Country: US	Land net: Not Reported
Location map: QJ1374	Map scale: Not Reported
Altitude: 28.0	
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: 90	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: 1970-07-16
Water quality data end date: 1970-07-16	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

**B11**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS2119206**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	404102073510301
Site name:	Q 1267. 1		
Latitude:	404102	EDR Site id:	USGS2119206
Longitude:	0735103	Dec lat:	40.6839921
Dec lon:	-73.8504129	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QJ1374	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:	116.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin 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:	1949-12-28	Ground water data end date:	1974-04-02
Ground water data count:	79		

Ground-water levels, Number of Measurements: 79

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1974-04-02		3.63	1973-04-06		0.80
1972-06-16		-3.61	1972-03-29		-4.35
1971-03-08		-4.40	1970-02-27		-4.71
1969-03-18		-4.50	1968-03-19		-4.40
1967-03-20		-4.87	1966-04-20		-4.71
1965-09-14		-4.31	1965-06-07		-3.99
1964-11-18		-4.28	1964-02-14		-3.67
1962-11-08		-3.11	1962-04-27		-2.16
1961-12-29		-2.61	1961-01-10		-3.32
1960-01-07		-4.73	1959-03-17		-3.74
1958-01-29		-3.95	1957-03-14		-2.80
1954-12-27		-2.46	1954-06-28		-2.59
1954-05-24		-2.42	1954-04-27		-2.33
1954-03-24		-2.12	1954-02-24		-2.02
1954-01-25		-1.86	1953-12-19		-1.82
1953-11-24		-1.87	1953-10-01		-1.92
1953-08-26		-1.70	1953-08-18		-1.62
1953-07-30		-1.55	1953-06-24		-1.41
1953-05-27		-1.19	1953-04-28		-1.16
1953-03-26		-1.33	1953-02-27		-1.41
1953-02-13		-1.48	1952-12-29		-1.68
1952-12-08		-1.77	1952-11-07		-1.65

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1952-09-24		-1.50	1952-08-25		-1.37
1952-07-28		-1.43	1952-06-24		-1.13
1952-05-27		-1.33	1952-04-30		-1.52
1952-03-23		-1.67	1952-02-20		-1.71
1952-01-31		-1.48	1951-12-21		-1.72
1951-11-30		-2.06	1951-10-31		-2.36
1951-09-27		-2.46	1951-08-29		-2.34
1951-07-25		-2.43	1951-06-26		-2.27
1951-05-31		-2.22	1951-05-01		-2.35
1951-03-27		-2.62	1951-02-26		-2.87
1951-01-30		-3.01	1950-12-19		-2.95
1950-11-28		-2.95	1950-10-30		-2.98
1950-09-25		-2.87	1950-08-29		-2.79
1950-07-25		-2.65	1950-06-27		-2.52
1950-06-08		-2.37	1950-05-25		-2.28
1950-04-26		-1.94	1950-03-28		-1.95
1950-03-01		-2.12	1950-01-24		-2.48
1949-12-28		-2.63			

**12  
SSE  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2119539**

Agency cd:	USGS	Site no:	404020073500601
Site name:	Q 350. 1	EDR Site id:	USGS2119539
Latitude:	404020	Dec lat:	40.67232566
Longitude:	0735007	Coor meth:	M
Dec lon:	-73.8348569	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1430		
Altitude:	33.0		
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:	JAMECO AQUIFER		
Well depth:	223.	Hole depth:	655.
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:	1937-03-17	Ground water data end date:	1959-12-01
Ground water data count:	395		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 395

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1959-12-01		0.28	1959-11-04		-0.20
1959-10-06		-1.54	1959-07-31		-1.71
1959-06-30		-1.73	1959-05-28		-1.36
1959-03-26		-0.06	1959-03-02		0.18
1959-01-28		0.69	1959-01-13		0.83
1958-08-26		0.64	1958-07-25		0.92
1958-06-27		1.10	1958-05-27		1.09
1958-04-30		-0.65	1958-04-01		0.40
1958-03-04		-0.20	1958-01-24		-0.48
1957-12-23		-0.68	1957-11-22		-0.66
1957-10-29		-0.55	1957-09-25		-0.41
1957-08-23		-0.18	1957-07-24		0.12
1957-06-27		0.34	1957-05-28		0.63
1957-04-24		0.71	1957-03-26		0.25
1957-02-26		0.37	1957-01-24		0.47
1956-12-20		0.73	1956-11-30		0.62
1956-10-26		0.47	1956-10-01		0.57
1956-08-31		0.77	1956-07-31		1.04
1956-06-29		1.24	1956-06-01		1.49
1956-05-03		1.74	1956-03-05		1.03
1956-02-07		0.99	1955-12-23		1.34
1955-11-07		1.71	1955-10-05		1.54
1955-08-26		2.15	1955-07-28		0.27
1955-06-23		0.68	1955-05-24		0.88
1955-04-26		0.81	1955-03-29		0.65
1955-02-25		0.79	1955-01-24		1.01
1954-12-30		0.99	1954-12-01		0.97
1954-10-27		0.64	1954-09-22		0.78
1954-08-24		-0.23	1954-07-27		0.13
1954-06-28		0.41	1954-05-24		0.83
1954-04-27		0.76	1954-03-24		0.86
1954-02-24		0.93	1954-01-25		1.15
1953-12-19		1.40	1953-11-24		1.38
1953-10-01		1.06	1953-08-26		1.48
1953-08-18		1.55	1953-07-30		1.59
1953-06-24		1.92	1953-05-27		2.54
1953-04-30		2.61	1953-03-26		2.32
1953-02-27		1.76	1953-02-13		1.70
1952-12-29		1.57	1952-12-08		1.53
1952-11-07		1.47	1952-09-24		1.74
1952-08-25		2.03	1952-07-28		1.83
1952-06-24		2.07	1952-05-27		2.32
1952-04-30		2.13	1952-03-24		2.01
1952-02-21		1.75	1952-01-31		1.52
1951-12-21		1.97	1951-11-29		1.84
1951-10-31		1.43	1951-09-25		1.24
1951-08-27		1.52	1951-07-25		1.32
1951-06-27		1.58	1951-05-31		1.77
1951-05-01		1.65	1951-03-27		1.48
1947-05-26		0.61	1947-05-06		0.62
1947-04-03		0.16	1947-03-04		0.19
1947-01-28		0.26	1946-12-31		0.42
1946-11-25		0.70	1946-10-23		0.83
1946-09-26		0.84	1946-08-29		0.94
1946-07-30		0.88	1946-07-09		1.09

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1946-06-07		1.08	1946-05-03		-0.11
1946-04-12		0.82	1946-03-08		0.91
1946-02-14		1.20	1946-01-11		1.18
1945-12-05		1.08	1945-11-02		0.94
1945-10-09		0.95	1945-09-13		0.41
1945-08-07		0.49	1945-07-03		-0.34
1945-06-06		0.80	1945-04-27		0.81
1945-04-03		0.99	1945-03-03		1.06
1945-01-27		1.04	1945-01-03		1.42
1944-12-04		1.54	1944-10-27		1.13
1944-10-04		-1.05	1944-09-01		-0.36
1944-08-01		-0.13	1944-07-04		0.37
1944-06-03		0.61	1944-04-25		0.74
1944-03-29		-0.18	1944-02-28		-0.49
1944-01-29		0.39	1944-01-01		0.28
1943-11-27		0.63	1943-10-30		0.73
1943-09-25		0.66	1943-08-28		-0.27
1943-07-31		0.28	1943-06-26		-0.52
1943-05-29		0.43	1943-05-01		0.37
1943-03-27		0.24	1943-02-27		-0.01
1943-01-30		-0.06	1943-01-02		-0.10
1942-12-26		-0.14	1942-12-19		0.08
1942-12-12		0.03	1942-12-05		0.03
1942-11-28		0.02	1942-11-21		-0.22
1942-11-14		0.13	1942-11-07		0.43
1942-10-31		0.64	1942-10-24		0.72
1942-10-17		0.64	1942-10-10		0.52
1942-10-03		0.58	1942-09-26		0.38
1942-09-19		0.39	1942-09-12		0.36
1942-09-05		0.36	1942-08-29		0.30
1942-08-22		0.11	1942-08-15		-0.02
1942-08-07		-0.85	1942-08-01		-0.29
1941-05-17		0.18	1941-05-10		0.20
1941-05-03		-0.05	1941-04-26		0.24
1941-04-19		0.33	1941-04-12		0.01
1941-04-05		0.60	1941-03-29		0.63
1941-03-22		0.60	1941-03-15		0.65
1941-03-08		0.70	1941-03-01		0.51
1941-02-22		0.38	1941-02-15		0.77
1941-02-08		0.64	1941-02-01		0.11
1941-01-25		0.05	1941-01-18		0.09
1941-01-11		0.00	1941-01-04		0.11
1940-12-28		-0.10	1940-12-21		0.04
1940-12-14		-0.06	1940-12-07		0.01
1940-11-30		0.30	1940-11-23		0.12
1940-11-16		0.73	1940-11-09		0.68
1940-11-02		0.53	1940-10-26		0.43
1940-10-19		0.22	1940-10-12		0.74
1940-10-05		0.67	1940-09-28		0.50
1940-09-21		-0.15	1940-09-14		0.32
1940-09-07		0.47	1940-08-31		0.78
1940-08-24		0.47	1940-08-17		-0.05
1940-08-10		0.31	1940-08-03		0.10
1940-07-27		0.34	1940-07-20		0.34
1940-07-13		0.72	1940-07-06		0.72

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1940-06-29		0.97	1940-06-22		0.44
1940-06-15		-0.04	1940-06-08		0.27
1940-06-01		1.04	1940-05-25		0.79
1940-05-18		0.54	1940-05-11		0.58
1940-05-04		0.57	1940-04-28		0.54
1940-04-20		0.80	1940-04-13		0.73
1940-04-06		0.81	1940-03-30		0.71
1940-03-23		0.81	1940-03-16		0.75
1940-03-09		0.65	1940-03-02		0.43
1940-02-24		0.47	1940-02-17		0.45
1940-02-10		0.42	1940-02-03		0.30
1940-01-27		0.32	1940-01-20		0.39
1940-01-13		0.12	1940-01-06		-0.09
1939-12-30		0.19	1939-12-23		0.25
1939-12-16		0.35	1939-12-09		0.60
1939-12-02		0.60	1939-11-25		0.34
1939-11-18		0.44	1939-11-11		0.42
1939-11-04		0.31	1939-10-28		0.29
1939-10-21		0.18	1939-10-14		0.38
1939-10-07		0.27	1939-09-30		0.07
1939-09-23		-0.47	1939-09-16		0.04
1939-09-09		-0.03	1939-09-02		0.40
1939-08-26		0.01	1939-08-19		-0.68
1939-08-12		-0.67	1939-08-05		-0.23
1939-07-29		0.17	1939-07-22		0.09
1939-07-15		0.40	1939-07-08		0.36
1939-07-01		1.34	1939-06-24		1.38
1939-06-17		1.13	1939-06-10		0.60
1939-06-03		1.52	1939-05-27		2.35
1939-05-20		2.35	1939-05-13		2.63
1939-05-06		2.68	1939-04-29		3.51
1939-04-22		3.48	1939-04-15		3.44
1939-04-08		3.27	1939-03-31		3.14
1939-03-24		2.95	1939-03-17		2.81
1939-03-10		2.66	1939-03-03		2.27
1939-02-24		2.44	1939-02-17		2.18
1939-02-10		2.09	1939-02-03		1.82
1939-01-27		1.90	1939-01-20		2.17
1939-01-13		2.23	1939-01-06		2.21
1938-12-30		2.13	1938-12-23		2.12
1938-12-16		2.03	1938-12-09		1.92
1938-12-02		1.59	1938-11-25		1.90
1938-11-18		1.80	1938-11-11		1.48
1938-11-04		0.62	1938-10-28		1.09
1938-10-21		1.58	1938-10-14		2.34
1938-10-07		2.07	1938-09-30		2.55
1938-09-23		1.64	1938-09-16		0.11
1938-09-09		0.54	1938-09-02		0.78
1938-08-26		0.58	1938-08-19		0.75
1938-08-12		1.62	1938-08-05		1.38
1938-07-29		1.38	1938-07-23		0.85
1938-07-16		0.54	1938-07-09		-0.29
1938-07-02		0.89	1938-06-25		0.39
1938-06-18		0.85	1938-06-11		0.50
1938-06-04		0.34	1938-05-28		0.73

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-05-21		0.65	1938-05-14		0.41
1938-05-07		0.02	1938-04-30		0.31
1938-04-23		0.40	1938-04-16		0.34
1938-04-09		1.01	1938-04-02		0.97
1938-03-26		1.06	1938-03-19		1.30
1938-03-12		1.20	1938-03-05		1.27
1938-02-26		1.18	1938-02-19		1.14
1938-02-12		1.09	1938-02-05		0.99
1938-01-29		0.98	1938-01-22		0.97
1938-01-15		0.89	1938-01-08		0.95
1938-01-01		0.88	1937-12-25		0.83
1937-12-18		0.89	1937-12-11		0.81
1937-12-04		0.63	1937-11-27		0.42
1937-11-20		0.34	1937-11-13		0.38
1937-11-06		0.26	1937-10-30		0.11
1937-10-23		0.39	1937-10-16		0.12
1937-10-09		0.14	1937-10-02		0.05
1937-09-25		-0.03	1937-09-18		0.12
1937-09-11		-0.34	1937-09-04		-0.44
1937-08-28		-0.01	1937-08-21		-0.82
1937-08-14		-0.62	1937-08-07		-0.61
1937-07-31		-0.40	1937-07-24		-0.61
1937-07-17		-0.53	1937-07-10		-0.74
1937-07-03		0.43	1937-06-26		0.14
1937-06-19		0.19	1937-06-12		-0.07
1937-06-05		-0.27	1937-05-28		-0.12
1937-05-22		0.28	1937-05-15		0.47
1937-05-08		0.67	1937-05-01		0.81
1937-04-24		1.41	1937-04-17		1.25
1937-04-10		1.38	1937-04-03		1.08
1937-03-27		1.14	1937-03-20		1.03
1937-03-19		1.06	1937-03-18		1.16
1937-03-17		1.01			

**13  
SSE  
1/2 - 1 Mile  
Lower**

**FED USGS USGS2119546**

Agency cd:	USGS	Site no:	404022073495701
Site name:	Q 2384. 1	EDR Site id:	USGS2119546
Latitude:	404022	Dec lat:	40.6728812
Longitude:	0734957	Coor meth:	M
Dec lon:	-73.83207905	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1450		
Altitude:	27.0		
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

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: N  
 Type of ground water site: Single well, other than collector or Ranney type  
 Aquifer Type: Not Reported  
 Aquifer: JAMECO AQUIFER  
 Well depth: 153. Hole depth: 153.  
 Source of depth data: Not Reported  
 Project number: Not Reported  
 Real time data flag: 0  
 Daily flow data end date: 0000-00-00  
 Daily flow data begin 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: 1983-07-27  
 Water quality data end date: 2002-07-16  
 Water quality data count: 4  
 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

**14  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2119074**

Agency cd:	USGS	Site no:	404116073505901
Site name:	Q 1255. 1	EDR Site id:	USGS2119074
Latitude:	404116	Dec lat:	40.68788091
Longitude:	0735059	Coor meth:	M
Dec lon:	-73.84930176	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QJ1372		
Altitude:	40.0		
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:	53.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin 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 end date:	0000-00-00	Water quality data begin date:	0000-00-00
Water quality data count:	0		
Ground water data begin date:	1911-10-12	Ground water data end date:	1998-03-25
Ground water data count:	553		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 553

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1998-03-25		32.26	1997-03-17		32.70
1996-03-11		33.27	1995-03-16		33.07
1994-03-24		33.64	1993-03-23		33.84
1992-03-17		22.48	1990-04-18		22.77
1988-06-13		23.33	1976-06-30		1.26
1976-03-25		1.18	1975-12-15		1.15
1975-10-06		1.05	1975-07-01		0.76
1975-03-25		1.21	1974-12-18		1.45
1974-09-03		0.26	1974-06-25		0.22
1974-03-20		-0.34	1974-01-07		-1.29
1973-09-28		-1.33	1973-06-25		-1.42
1973-04-04		-1.46	1972-12-21		-0.58
1972-10-10		-1.61	1972-06-16		-1.65
1972-03-21		-1.59	1972-01-03		-1.55
1971-09-28		-1.39	1971-03-08		-2.91
1970-11-04		-2.83	1970-02-27		-2.56
1969-11-03		-2.49	1969-05-01		-2.47
1969-03-18		-2.44	1968-10-30		-2.37
1968-05-01		-2.23	1968-03-19		-2.24
1967-10-31		-3.75	1967-05-02		-3.71
1967-03-20		-3.71	1966-10-31		-4.01
1966-04-20		-3.96	1965-11-03		-4.04
1965-09-14		-4.05	1965-04-29		-4.09
1964-11-02		-4.09	1964-05-01		-4.08
1964-02-14		-4.15	1963-10-25		-4.18
1962-11-08		-4.21	1962-10-31		-4.18
1962-04-27		-4.42	1962-01-31		-4.70
1961-12-29		-4.81	1961-11-28		-4.98
1961-10-31		-5.02	1961-09-29		-5.05
1961-08-27		-5.09	1961-08-01		-5.17
1961-05-29		-5.32	1961-04-26		-5.33
1961-03-27		-5.46	1961-02-28		-5.61
1961-01-30		-5.73	1961-01-19		-5.84
1960-11-29		-6.19	1960-11-01		-6.29
1960-09-27		-6.42	1960-08-30		-6.47
1960-07-26		-6.51	1960-06-29		-5.90
1960-06-02		-5.94	1960-05-02		-5.96
1960-03-29		-5.94	1960-03-01		-5.91
1960-02-02		-5.89	1960-01-04		-5.88
1959-11-27		-5.88	1959-11-03		-5.83
1959-10-05		-5.59	1959-09-01		-5.29
1959-08-03		-5.07	1959-06-30		-4.76
1959-05-29		-4.53	1959-05-05		-4.42
1959-03-31		-4.44	1959-03-03		-4.44
1959-01-28		-4.38	1959-01-05		-4.67
1958-12-08		-4.72	1958-11-04		-5.04
1958-09-30		-5.18	1958-08-26		-5.18
1958-07-25		-5.23	1958-06-27		-5.41
1958-05-27		-5.59	1958-04-30		-5.74
1958-04-01		-5.75	1958-03-04		-5.73
1958-01-28		-5.84	1957-12-23		-5.67
1957-11-22		-5.63	1957-10-29		-5.56
1957-09-25		-5.47	1957-08-27		-5.24
1957-07-24		-4.93	1957-06-27		-4.68
1957-05-28		-4.66	1957-04-24		-4.65

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1957-03-26		-4.74	1957-02-28		-4.71
1957-01-24		-4.71	1956-12-18		-4.72
1956-11-30		-4.79	1956-10-25		-4.79
1956-10-01		-4.73	1956-09-04		-4.54
1956-08-02		-4.44	1956-06-29		-4.21
1956-06-04		-4.08	1956-05-03		-4.17
1956-03-06		-4.19	1956-02-07		-3.99
1955-12-23		-3.97	1955-11-07		-4.39
1955-10-05		-4.39	1955-08-25		-4.84
1955-07-26		-4.65	1955-06-23		-4.31
1955-05-24		-4.22	1955-04-28		-4.21
1955-03-29		-4.23	1955-02-21		-4.23
1955-01-24		-4.35	1954-12-27		-4.31
1954-12-01		-4.08	1954-10-27		-4.61
1954-09-22		-4.67	1954-08-23		-4.53
1954-07-27		-4.44	1954-06-28		-4.25
1954-05-24		-4.02	1954-04-27		-3.82
1954-03-24		-3.56	1954-02-24		-3.60
1954-01-25		-3.33	1953-05-27		-2.91
1953-04-28		-3.01	1953-03-26		-3.34
1953-02-27		-3.30	1953-02-11		-3.28
1952-12-29		-3.37	1952-12-08		-3.39
1952-11-07		-3.21	1952-09-23		-3.24
1952-08-25		-3.31	1952-07-28		-3.27
1952-06-24		-3.03	1952-05-27		-3.27
1952-04-30		-3.47	1952-03-23		-3.53
1952-02-20		-3.56	1952-01-31		-3.00
1951-12-21		-2.97	1951-11-29		-4.06
1951-10-31		-4.27	1951-09-26		-4.00
1951-08-29		-4.20	1951-07-25		-4.23
1951-06-26		-4.23	1951-05-31		-4.43
1951-04-26		-4.45	1951-03-27		-4.49
1951-02-26		-4.84	1951-01-30		-4.35
1950-12-19		-4.24	1950-11-28		-4.46
1950-10-31		-4.47	1950-09-25		-4.23
1950-08-29		-4.14	1950-07-25		-3.95
1950-06-29		-4.22	1950-04-26		-2.64
1950-03-28		-2.97	1950-03-01		-3.24
1950-01-25		-3.11	1949-12-28		-3.38
1949-11-29		-4.67	1949-10-27		-4.56
1949-09-29		-4.89	1949-08-26		-4.71
1949-07-27		-4.51	1949-06-30		-4.11
1949-05-31		-3.22	1949-04-27		-3.54
1949-03-28		-4.16	1949-02-23		-4.17
1949-01-25		-3.89	1948-12-30		-4.50
1948-12-09		-4.09	1948-11-02		-3.91
1948-09-28		-4.04	1948-08-30		-4.39
1948-07-27		-4.45	1948-06-28		-4.37
1948-06-02		-4.52	1948-04-27		-4.69
1948-03-25		-4.59	1948-03-03		-4.86
1948-02-18		-4.97	1948-01-06		-5.50
1947-11-26		-6.04	1947-11-03		-6.30
1947-10-08		-6.25	1947-09-02		-6.20
1947-07-30		-5.79	1947-07-11		-5.57
1947-07-03		-5.36	1947-07-02		-5.51

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1947-07-01		-5.54	1947-06-30		-5.29
1947-06-24		-5.13	1947-05-26		-5.31
1947-05-06		-5.38	1947-04-03		-9.79
1947-03-04		-4.99	1947-01-27		-4.67
1946-12-30		-4.11	1946-11-25		-4.57
1946-10-23		-4.32	1946-09-27		-4.48
1946-08-29		-4.29	1946-07-30		-3.79
1946-07-01		-4.12	1946-06-18		-4.11
1946-05-06		-4.72	1946-04-12		-4.39
1946-03-04		-4.22	1946-02-13		-4.13
1946-01-10		-4.20	1945-12-04		-4.42
1945-11-02		-4.63	1945-10-09		-4.52
1945-09-13		-4.07	1945-08-08		-3.33
1945-07-04		-3.49	1945-06-05		-3.28
1945-04-27		-3.57	1945-04-03		-3.31
1945-03-03		-3.37	1945-01-03		-2.95
1944-12-05		-3.28	1944-10-28		-3.77
1944-10-05		-3.52	1944-09-01		-3.67
1944-07-31		-3.27	1944-07-03		-2.87
1944-05-27		-2.69	1944-04-25		-2.81
1943-07-31		-3.87	1943-06-26		-3.57
1943-05-29		-3.21	1943-05-01		-3.27
1943-03-27		-3.55	1943-02-27		-3.67
1943-01-30		-3.99	1943-01-02		-4.30
1942-12-26		-4.37	1942-12-19		-4.50
1942-12-12		-4.53	1942-12-05		-4.43
1942-11-28		-4.46	1942-11-21		-4.61
1942-11-14		-4.63	1942-11-07		-4.73
1942-10-31		-4.77	1942-10-24		-4.63
1942-10-17		-4.90	1942-10-10		-4.94
1942-10-03		-4.99	1942-09-26		-4.96
1942-09-19		-5.17	1942-09-12		-5.25
1942-09-05		-5.31	1942-08-29		-5.51
1942-08-22		-5.53	1942-08-15		-5.62
1942-08-08		-5.67	1942-08-01		-5.76
1942-07-25		-5.76	1942-07-18		-5.84
1942-07-11		-5.83	1942-07-04		-5.81
1942-06-27		-5.85	1942-06-20		-5.87
1942-06-13		-5.87	1942-06-06		-5.84
1942-05-30		-5.83	1942-05-23		-5.81
1942-05-16		-5.79	1942-05-09		-5.74
1942-05-02		-5.70	1942-04-25		-5.77
1942-04-18		-5.87	1942-04-11		-5.95
1942-04-04		-5.76	1942-03-28		-5.76
1942-03-21		-5.87	1942-03-14		-5.67
1942-03-07		-5.62	1942-02-28		-5.76
1942-02-21		-5.79	1942-02-14		-5.73
1942-02-07		-5.82	1942-01-31		-5.69
1942-01-24		-5.59	1942-01-17		-5.53
1942-01-03		-5.49	1941-12-27		-5.46
1941-12-20		-5.37	1941-12-06		-5.40
1941-11-29		-5.30	1941-11-22		-5.27
1941-11-15		-5.29	1941-11-08		-5.17
1941-11-01		-5.12	1941-10-25		-5.13
1941-10-18		-5.21	1941-10-11		-4.96

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-10-04		-5.21	1941-09-27		-5.04
1941-09-20		-4.93	1941-09-13		-4.55
1941-09-06		-4.74	1941-08-30		-4.28
1941-08-23		-4.60	1941-08-16		-4.48
1941-08-09		-4.45	1941-08-02		-4.21
1941-07-26		-4.21	1941-07-19		-4.14
1941-07-12		-4.06	1941-07-05		-3.95
1941-06-28		-3.90	1941-06-21		-3.73
1941-06-14		-3.54	1941-06-07		-3.52
1941-05-31		-3.33	1941-05-24		-3.29
1941-05-17		-3.26	1941-05-10		-3.04
1941-05-03		-2.94	1941-04-26		-2.85
1941-04-12		-2.89	1941-04-05		-2.61
1941-03-29		-2.88	1941-03-22		-2.84
1941-03-15		-2.51	1941-02-15		-2.95
1941-02-01		-3.03	1941-01-25		-3.03
1941-01-18		-3.06	1940-05-03		-2.37
1940-04-16		-2.50	1940-03-12		-2.43
1939-11-30		-1.98	1939-10-24		-1.50
1939-08-29		-0.89	1939-07-24		-0.18
1939-05-29		0.55	1939-04-04		0.17
1939-02-21		-0.27	1938-12-20		-0.15
1938-09-12		-0.64	1938-06-17		-1.37
1938-05-16		-1.34	1938-04-19		-1.40
1938-02-25		-1.65	1938-01-10		-1.90
1937-11-23		-2.06	1937-09-27		-2.22
1937-08-24		-2.21	1937-06-21		-1.82
1937-03-23		-1.84	1936-12-28		-2.59
1936-09-28		-2.58	1936-08-03		-1.95
1936-05-19		-1.40	1936-03-10		-2.10
1935-12-11		-1.81	1935-10-31		-1.92
1935-09-16		-1.16	1935-07-02		0.60
1935-06-05		0.94	1935-03-21		1.25
1935-02-20		1.40	1935-01-11		1.93
1934-12-19		1.44	1934-11-05		1.78
1934-10-19		0.62	1934-09-21		0.30
1934-08-27		-0.06	1934-07-26		0.10
1934-06-13		1.07	1934-04-17		1.30
1934-03-23		1.12	1934-02-19		1.21
1934-01-12		1.34	1933-12-22		1.52
1933-11-21		1.36	1933-11-02		1.36
1933-09-27		0.95	1933-08-29		0.91
1933-07-25		0.85	1933-06-29		1.17
1933-05-29		1.26	1933-04-20		1.17
1933-02-28		0.72	1933-01-20		0.76
1932-11-21		0.36	1932-10-17		0.30
1932-09-01		0.64	1932-08-09		0.96
1932-06-13		1.65	1932-05-16		1.81
1932-05-03		1.75	1917-12-12		10.18
1917-11-20		10.18	1917-11-06		10.18
1917-10-20		9.98	1917-09-19		10.03
1917-08-16		10.13	1917-07-24		9.63
1917-06-26		9.53	1917-06-06		9.33
1917-05-21		9.33	1917-05-03		9.23
1917-04-18		9.83	1917-03-27		9.53

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1917-03-15		9.23	1917-02-26		8.73
1917-02-08		8.13	1917-01-23		8.03
1917-01-10		8.03	1916-12-22		9.03
1916-12-05		8.38	1916-11-21		8.48
1916-11-09		8.63	1916-10-18		8.83
1916-10-05		8.93	1916-09-21		9.13
1916-09-06		9.63	1916-08-23		10.03
1916-07-14		10.33	1916-06-26		10.43
1916-06-08		10.53	1916-05-19		10.53
1916-05-02		10.23	1916-04-17		10.03
1916-04-04		9.78	1916-03-21		9.43
1916-02-29		9.33	1916-02-14		9.23
1916-01-27		9.33	1916-01-03		9.48
1915-12-25		9.43	1915-12-16		9.38
1915-11-29		9.53	1915-11-10		9.88
1915-10-27		10.18	1915-10-11		10.18
1915-09-17		10.08	1915-09-08		10.23
1915-08-23		10.48	1915-08-06		10.33
1915-07-19		10.33	1915-07-01		10.38
1915-06-17		10.53	1915-05-31		10.58
1915-05-20		10.43	1915-05-04		10.53
1915-04-20		10.73	1915-04-06		10.73
1915-03-23		10.93	1915-03-10		10.98
1915-02-24		10.23	1915-02-09		10.48
1915-01-21		9.73	1914-12-31		9.38
1914-12-11		9.68	1914-11-18		9.63
1914-10-30		9.83	1914-10-13		10.13
1914-09-15		10.63	1914-08-18		11.13
1914-07-30		11.38	1914-07-13		11.83
1914-06-19		11.88	1914-05-12		12.03
1914-04-17		11.83	1914-03-25		11.83
1914-03-13		11.18	1914-02-18		10.98
1914-01-30		10.73	1914-01-15		10.38
1913-12-23		10.13	1913-12-04		10.28
1913-11-14		10.43	1913-10-31		10.63
1913-10-15		10.43	1913-09-23		10.58
1913-09-06		10.88	1913-08-20		11.13
1913-07-22		11.48	1913-07-03		11.78
1913-06-18		11.93	1913-06-04		11.93
1913-05-16		11.78	1913-05-01		11.63
1913-04-10		10.78	1913-03-24		10.43
1913-03-06		10.33	1913-02-17		10.43
1913-01-31		10.38	1913-01-16		10.33
1912-12-26		10.28	1912-12-11		10.43
1912-11-27		10.98	1912-11-11		10.78
1912-10-25		10.98	1912-10-11		11.03
1912-09-20		11.18	1912-09-06		11.48
1912-08-23		11.53	1912-08-09		11.48
1912-07-19		11.48	1912-07-05		11.78
1912-06-21		11.88	1912-05-15		11.68
1912-04-26		11.33	1912-04-10		10.88
1912-03-26		10.43	1912-03-01		10.13
1912-02-08		10.08	1912-01-22		10.03
1911-12-29		9.73	1911-12-18		9.58
1911-12-06		9.53	1911-11-22		9.43

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1911-11-10		9.23	1911-10-26		9.28
1911-10-12		9.13			

**15**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS2119521**

Agency cd:	USGS	Site no:	404016073500601
Site name:	Q 2289. 1	EDR Site id:	USGS2119521
Latitude:	404016	Dec lat:	40.67121456
Longitude:	0735006	Coor meth:	M
Dec lon:	-73.83457912	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1441		
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:	JAMECO AQUIFER		
Well depth:	147	Hole depth:	157.
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 count:	0
Daily flow data end date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data begin date:	0000-00-00	Water quality data begin date:	1970-08-10
Peak flow data count:	0	Water quality data count:	5
Water quality data end date:	2002-07-16	Ground water data end date:	0000-00-00
Ground water data begin date:	0000-00-00		
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**16**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2119064**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	404113073510901
Site name:	Q 237. 1		
Latitude:	404113	EDR Site id:	USGS2119064
Longitude:	0735109	Dec lat:	40.68704759
Dec lon:	-73.85207962	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QJ1363	Map scale:	Not Reported
Altitude:	36.0		
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:	577.
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

**17  
West  
1/2 - 1 Mile  
Lower**

**FED USGS USGS2119157**

Agency cd:	USGS	Site no:	404055073511801
Site name:	Q 1483. 1		
Latitude:	404055	EDR Site id:	USGS2119157
Longitude:	0735118	Dec lat:	40.68204768
Dec lon:	-73.85457969	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QJ1355	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

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	184.
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

**C18**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**NY WELLS      NYWS006432**

Well Id:	NY7011735	System name:	NEW YORK CITY - GROUNDWATER SYSTEM
System Id:	047	Well name:	WELL #45, Q2189, DEPTH 158.0' D=14
Type:	Well	Active?:	Active
County:	QUEENS BOUROUGH	Latitude:	404121 000
Longitude:	734932 000	Slec_type_:	AC
Agency:	MIELE, SR., JOEL		
Address:	DEPARTMENT OF ENVIRONMENTAL PROTECTION 59-17 JUNCTION ROAD		
City/State/Zip:	CORONA NY 11368-5107		
Phone:	718-595-6500		

**C19**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FRDS PWS      NY0011735**

PWS ID:	NY0011735		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	JAMAICA WATER SUPPLY COMPANY LAKE SUCCESS, NY 11042		

Addressee / Facility:      System Owner/Responsible Party  
 KOPKE RUSSELL  
 C/O RUSSELL KOPKE, PRESIDENT  
 410 LAKEVILLE ROAD  
 LAKE SUCCESS, NY 11042

Facility Latitude:	40 40 58	Facility Longitude:	073 45 06
Facility Latitude:	40 43 14	Facility Longitude:	073 46 59
Facility Latitude:	40 43 23	Facility Longitude:	073 45 54
Facility Latitude:	40 43 28	Facility Longitude:	073 48 25
Facility Latitude:	40 43 43	Facility Longitude:	073 48 27
Facility Latitude:	40 42 09	Facility Longitude:	073 46 43
Facility Latitude:	40 40 52	Facility Longitude:	073 47 54

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	40 41 55	Facility Longitude:	073 49 36
Facility Latitude:	40 42 25	Facility Longitude:	073 45 04
Facility Latitude:	40 42 48	Facility Longitude:	073 46 03
Facility Latitude:	40 40 44	Facility Longitude:	073 43 34
Facility Latitude:	40 40 55	Facility Longitude:	073 48 56
Facility Latitude:	40 40 24	Facility Longitude:	073 48 40
Facility Latitude:	40 40 54	Facility Longitude:	073 49 17
Facility Latitude:	40 42 04	Facility Longitude:	073 49 17
Facility Latitude:	40 42 36	Facility Longitude:	073 45 56
Facility Latitude:	40 43 23	Facility Longitude:	073 48 18
Facility Latitude:	40 43 23	Facility Longitude:	073 48 39
Facility Latitude:	40 41 18	Facility Longitude:	073 45 26
Facility Latitude:	40 41 57	Facility Longitude:	073 45 23
Facility Latitude:	40 43 01	Facility Longitude:	073 46 32
Facility Latitude:	40 41 49	Facility Longitude:	073 49 21
Facility Latitude:	40 42 16	Facility Longitude:	073 44 22
Facility Latitude:	40 42 04	Facility Longitude:	073 49 59
Facility Latitude:	40 41 59	Facility Longitude:	073 44 04
Facility Latitude:	40 43 53	Facility Longitude:	073 44 46
Facility Latitude:	40 42 51	Facility Longitude:	073 45 35
Facility Latitude:	40 41 50	Facility Longitude:	073 47 20
Facility Latitude:	40 41 38	Facility Longitude:	073 47 17
Facility Latitude:	40 42 53	Facility Longitude:	073 48 11
Facility Latitude:	40 41 42	Facility Longitude:	073 44 15
Facility Latitude:	40 41 36	Facility Longitude:	073 44 05
Facility Latitude:	40 42 43	Facility Longitude:	073 44 07
Facility Latitude:	40 42 06	Facility Longitude:	073 44 56
Facility Latitude:	40 43 29	Facility Longitude:	073 45 03
Facility Latitude:	40 41 08	Facility Longitude:	073 48 06
Facility Latitude:	40 42 12	Facility Longitude:	073 49 25
Facility Latitude:	40 40 37	Facility Longitude:	073 44 52
Facility Latitude:	40 41 21	Facility Longitude:	073 49 32
Facility Latitude:	40 43 34	Facility Longitude:	073 44 29
Facility Latitude:	40 42 19	Facility Longitude:	073 49 31
Facility Latitude:	40 43 02	Facility Longitude:	073 45 13
City Served:	FLEMING (T)	Population:	Not Reported
City Served:	LAKE SUCCESS		
Treatment Class	Not Reported		

Violations information not reported.

**D20  
East  
1/2 - 1 Mile  
Higher**

**NY WELLS      NYWS006451**

Well Id:	NY7011735	System name:	NEW YORK CITY - GROUNDWATER SYSTEM
System Id:	013	Well name:	WELL #3, DEPTH .98.4', D=18"
Type:	Well	Active?:	Active
County:	QUEENS BOUROUGH	Latitude:	404054 000
Longitude:	734917 000	Slec_type_:	AC
Agency:	MIELE, SR., JOEL		
Address:	DEPARTMENT OF ENVIRONMENTAL PROTECTION 59-17 JUNCTION ROAD		
City/State/Zip:	CORONA NY 11368-5107		
Phone:	718-595-6500		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E21**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2119105**

Agency cd:	USGS	Site no:	404120073511201
Site name:	Q 1378. 1	EDR Site id:	USGS2119105
Latitude:	404120	Dec lat:	40.688992
Longitude:	0735112	Coor meth:	M
Dec lon:	-73.85291297	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QJ1362		
Altitude:	42.0		
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:	208.	Hole depth:	212.
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data begin date:	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

**D22**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2119149**

Agency cd:	USGS	Site no:	404054073491701
Site name:	Q 303. 1	EDR Site id:	USGS2119149
Latitude:	404054	Dec lat:	40.68176994
Longitude:	0734917	Coor meth:	M
Dec lon:	-73.82096762	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1395		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 32.0  
 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: 102.      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: 1970-07-06  
 Water quality data end date: 1983-05-16      Water quality data count: 2  
 Ground water data begin date: 1961-12-13      Ground water data end date: 1985-05-14  
 Ground water data count: 5

Ground-water levels, Number of Measurements: 5

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-05-14		4.15	1978-03-23		-3.60
1968-01-16		-16.40			
Note: The site had been pumped recently.					
1967-09-05		-11.40			
Note: The site had been pumped recently.					
1961-12-13		-4.40			

**D23  
East  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2119150**

Agency cd: USGS      Site no: 404054073491702  
 Site name: Q 558.1  
 Latitude: 404054      EDR Site id: USGS2119150  
 Longitude: 0734917      Dec lat: 40.68176994  
 Dec lon: -73.82096762      Coor meth: M  
 Coor accr: S      Latlong datum: NAD27  
 Dec latlong datum: NAD83      District: 36  
 State: 36      County: 081  
 Country: US      Land net: Not Reported  
 Location map: QK1395      Map scale: Not Reported  
 Altitude: 33.0  
 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

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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: 158. Hole depth: 163.  
 Source of depth data: Not Reported  
 Project number: Not Reported  
 Real time data flag: 0  
 Daily flow data end date: 0000-00-00  
 Daily flow data begin 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: 1983-09-19  
 Water quality data end date: 1983-09-19 Water quality data count: 1  
 Ground water data begin date: 1961-12-13 Ground water data end date: 1968-01-16  
 Ground water data count: 3

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1968-01-16	-12.50		1967-09-06		-5.60
1961-12-13	-5.10				

**E24  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2119106**

Agency cd: USGS	Site no: 404120073511301	
Site name: Q 346.1	EDR Site id: USGS2119106	
Latitude: 404120	Dec lat: 40.688992	
Longitude: 0735113	Coor meth: M	
Dec lon: -73.85319076	Latlong datum: NAD27	
Coor accr: S	District: 36	
Dec latlong datum: NAD83	County: 081	
State: 36	Land net: Not Reported	
Country: US	Map scale: Not Reported	
Location map: QJ1352		
Altitude: Not Reported		
Altitude method: Not Reported		
Altitude accuracy: Not Reported		
Altitude datum: Not Reported		
Hydrologic: Not Reported		
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: 124.	Hole depth: Not Reported	
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

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**C25**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2118896**

Agency cd:	USGS	Site no:	404123073493001
Site name:	Q 2189. 1		
Latitude:	404123	EDR Site id:	USGS2118896
Longitude:	0734930	Dec lat:	40.68982535
Dec lon:	-73.82457883	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QK1381	Map scale:	Not Reported
Altitude:	43.0		
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:	126.	Hole depth:	126.
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:	1970-07-06
Water quality data end date:	1983-09-19	Water quality data count:	2
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

**26**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS2953337**

Agency cd:	USGS	Site no:	404004073502201
Site name:	Q 633. 1		
Latitude:	404004	EDR Site id:	USGS2953337
Longitude:	0735022	Dec lat:	40.66788129
Dec lon:	-73.83902369	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QK1422	Map scale:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	11.0		
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:	191.
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

**27  
NE  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2118907**

Agency cd:	USGS	Site no:	404124073493001
Site name:	Q 2140. 1	EDR Site id:	USGS2118907
Latitude:	404124	Dec lat:	40.69010313
Longitude:	0734930	Coor meth:	M
Dec lon:	-73.82457883	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QK1381		
Altitude:	48.0		
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:	322.
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

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported  
 Water quality data end date: Not Reported  
 Ground water data begin date: Not Reported  
 Ground water data count: Not Reported

Water quality data begin date: Not Reported  
 Water quality data count: Not Reported  
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**28**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS2119444**

Agency cd:	USGS	Site no:	404006073504001
Site name:	Q 345. 1	EDR Site id:	USGS2119444
Latitude:	404006	Dec lat:	40.66843683
Longitude:	0735040	Coor meth:	M
Dec lon:	-73.84402383	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	081
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	QJ1492		
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:	219.
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data end date:	Not Reported	Water quality data begin date:	Not Reported
Ground water data begin date:	Not Reported	Water quality data count:	Not Reported
Ground water data count:	Not Reported	Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

**29**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2118802**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	404140073504101
Site name:	Q 1493. 1		
Latitude:	404140	EDR Site id:	USGS2118802
Longitude:	0735041	Dec lat:	40.69454747
Dec lon:	-73.84430162	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QJ1299	Map scale:	Not Reported
Altitude:	45.0		
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:	139.	Hole depth:	143.
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin 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:	1970-07-16	Water quality data count:	1
Water quality data end date:	1970-07-16	Ground water data end date:	0000-00-00
Ground water data begin date:	0000-00-00		
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**30  
WNW  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS2119000**

Agency cd:	USGS	Site no:	404105073512501
Site name:	Q 1256. 1		
Latitude:	404105	EDR Site id:	USGS2119000
Longitude:	0735125	Dec lat:	40.68482541
Dec lon:	-73.85652419	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QJ1344	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
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

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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: 38. Hole depth: Not Reported  
 Source of depth data: Not Reported  
 Project number: Not Reported  
 Real time data flag: 0  
 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 count: 0  
 Ground water data begin date: 1940-10-26  
 Ground water data end date: 1962-11-08  
 Ground water data count: 250

Ground-water levels, Number of Measurements: 250

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1962-11-08	-1.79		1962-04-27	-1.48	
1962-01-05	-1.50		1961-02-28	-2.04	
1960-07-18	-3.25		1960-01-06	-3.35	
1959-03-23	-1.40		1957-12-23	-3.07	
1957-03-26	-1.14		1954-12-27	-0.98	
1954-06-28	-1.98		1954-05-24	-1.87	
1954-04-27	-1.78		1954-03-24	-1.05	
1954-02-24	-0.80		1953-12-19	-0.60	
1953-11-24	-1.52		1953-11-02	-0.97	
1953-10-01	-1.45		1953-08-26	-1.20	
1953-08-19	-1.24		1953-07-30	-1.11	
1953-06-24	-0.88		1953-05-27	-1.08	
1953-04-28	-1.09		1953-03-26	-1.46	
1953-02-27	-1.16		1953-02-13	-0.95	
1952-12-29	-1.20		1952-12-08	-1.14	
1952-11-07	-1.37		1952-09-24	-1.34	
1952-08-25	-1.13		1952-07-28	-1.02	
1952-06-24	-0.75		1952-05-27	-0.89	
1952-04-30	-1.03		1952-03-24	-1.12	
1952-02-20	-1.16		1952-01-31	-1.16	
1951-12-21	-1.77		1951-11-29	-1.83	
1951-10-31	-2.19		1951-09-27	-2.34	
1951-08-29	-2.23		1951-07-25	-2.27	
1951-06-26	-2.09		1951-05-31	-2.05	
1951-05-01	-2.16		1951-03-27	-2.43	
1951-02-26	-2.63		1951-01-30	-2.84	
1950-12-18	-2.83		1950-11-27	-2.88	
1950-10-30	-2.92		1950-09-25	-2.84	
1950-08-28	-2.74		1950-07-25	-2.56	
1950-06-27	-2.30		1950-05-25	-2.05	
1950-04-26	-1.70		1950-03-28	-1.77	
1950-02-28	-1.95		1950-01-24	-2.20	
1949-12-27	-2.40		1949-11-29	-2.75	
1949-10-27	-2.95		1949-09-29	-2.88	
1949-08-26	-2.79		1949-07-27	-2.64	
1949-06-30	-2.30		1949-05-31	-1.89	
1949-04-27	-2.19		1949-03-28	-2.39	
1949-02-23	-2.52		1949-01-24	-2.59	
1948-12-30	-2.96		1948-12-09	-2.79	
1948-11-02	-2.78		1948-09-28	-2.74	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1948-08-30		-2.52	1948-07-27		-2.62
1948-06-28		-2.88	1948-06-02		-3.00
1948-05-06		-3.09	1948-03-27		-4.37
1948-03-03		-3.24	1948-01-06		-4.04
1947-11-26		-4.20	1947-11-03		-4.52
1947-10-08		-4.45	1947-09-02		-4.40
1947-08-01		-4.06	1947-07-11		-3.82
1947-07-03		-3.66	1947-07-02		-3.65
1947-07-01		-3.65	1947-06-30		-3.65
1947-06-24		-3.84	1947-05-26		-3.55
1947-05-06		-3.50	1947-04-03		-3.73
1947-03-14		-3.71	1947-01-27		-3.63
1946-12-30		-3.48	1946-11-25		-3.27
1946-10-23		-3.06	1946-09-27		-3.04
1946-08-29		-2.79	1946-07-30		-2.62
1946-07-01		-2.57	1946-06-17		-2.71
1946-05-09		-3.25	1946-04-12		-3.30
1946-03-15		-3.23	1946-02-13		-3.14
1946-01-10		-3.18	1945-12-04		-3.33
1945-11-02		-3.18	1945-09-26		-2.93
1945-09-13		-2.85	1945-08-08		-2.44
1945-07-04		-2.54	1945-06-05		-2.56
1945-04-27		-2.74	1945-04-03		-2.54
1945-03-15		-2.53	1943-10-30		-3.10
1943-09-25		-3.27	1943-08-28		-3.18
1943-07-31		-3.09	1943-06-26		-2.95
1943-05-29		-2.87	1943-05-01		-2.90
1943-03-27		-3.20	1943-02-27		-3.31
1943-01-30		-3.42	1943-01-02		-3.80
1942-12-26		-3.84	1942-12-19		-3.90
1942-12-12		-3.95	1942-12-05		-4.00
1942-11-28		-4.02	1942-11-21		-4.09
1942-11-14		-4.13	1942-11-07		-4.17
1942-10-31		-4.24	1942-10-24		-4.26
1942-10-17		-4.31	1942-10-10		-4.37
1942-10-03		-4.42	1942-09-26		-4.64
1942-09-19		-4.75	1942-09-12		-4.72
1942-09-05		-4.94	1942-08-29		-4.98
1942-08-22		-5.09	1942-08-15		-5.23
1942-08-08		-5.42	1942-08-01		-5.53
1942-07-25		-5.72	1942-07-18		-5.82
1942-07-11		-5.94	1942-07-04		-6.04
1942-06-27		-6.19	1942-06-20		-6.36
1942-06-13		-6.54	1942-06-06		-6.64
1942-05-30		-6.70	1942-05-23		-6.72
1942-05-16		-6.72	1942-05-09		-6.67
1942-05-02		-6.71	1942-04-25		-6.79
1942-04-18		-6.80	1942-04-11		-6.82
1942-04-04		-6.82	1942-03-28		-6.88
1942-03-21		-6.93	1942-03-14		-6.98
1942-02-28		-6.98	1942-02-21		-6.96
1942-02-14		-6.92	1942-02-07		-6.87
1942-01-31		-6.82	1942-01-24		-6.79
1942-01-17		-6.75	1942-01-10		-6.71
1942-01-03		-6.69	1941-12-27		-6.64

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-12-20		-6.59	1941-12-13		-6.52
1941-12-06		-6.50	1941-11-29		-6.43
1941-11-22		-6.39	1941-11-15		-6.33
1941-11-08		-6.27	1941-11-01		-6.20
1941-10-25		-6.21	1941-10-18		-6.14
1941-10-11		-6.08	1941-10-04		-5.99
1941-09-27		-5.93	1941-09-20		-5.84
1941-09-13		-5.78	1941-09-06		-5.74
1941-08-30		-5.69	1941-08-23		-5.63
1941-08-16		-5.52	1941-08-09		-5.41
1941-08-02		-5.35	1941-07-26		-5.28
1941-07-19		-5.16	1941-07-12		-5.03
1941-07-05		-4.88	1941-06-28		-4.73
1941-06-21		-4.58	1941-06-14		-4.48
1941-06-07		-4.32	1941-05-31		-4.13
1941-05-24		-3.99	1941-05-17		-3.81
1941-05-10		-3.65	1941-05-03		-3.48
1941-04-26		-3.32	1941-04-12		-3.00
1941-04-05		-2.95	1941-03-29		-2.94
1941-03-22		-3.28	1941-03-15		-3.00
1941-03-08		-2.57	1941-03-01		-2.55
1941-02-22		-2.58	1941-02-15		-2.68
1941-02-08		-2.78	1941-02-01		-2.84
1941-01-25		-2.84	1941-01-18		-2.87
1941-01-11		-2.90	1941-01-04		-2.95
1940-12-28		-3.01	1940-12-21		-3.07
1940-12-14		-3.13	1940-12-07		-3.18
1940-11-30		-3.21	1940-11-23		-3.29
1940-11-16		-3.33	1940-11-09		-3.38
1940-11-02		-3.40	1940-10-26		-3.38

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for QUEENS County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

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Federal Area Radon Information for QUEENS COUNTY, NY

Number of sites tested: 81

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area	0.620 pCi/L	97%	0%	3%
Basement	0.970 pCi/L	93%	6%	1%

# 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<sup>R</sup> 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

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# Appendix F

## Credentials

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

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

**Representative Occupational Experience**

- ❑ *Groundwater and Hydrologic Modeling*  
Groundwater flow and contaminant transport, modeling utilizing MODFLOW, PLASM, MODPATH and WHPA. Hydrologic modeling utilizing HELP. Assessing model inputs and outputs, boundary and initial conditions, model calibrations, verification and sensitivity analysis and performing analytical checks. Hydrologic studies and water analysis.
- ❑ *Environmental Site Assessments*  
Conducted Phase I and II Environmental Site Assessments, analysis of site investigation reports, identifying contamination locations and sources. Gas Chromatograph analysis and water sampling, analyzing laboratory results for QA/QC, magnetometer surveys for locating buried drums and underground storage tanks (USTs), estimating UST and other subsurface leaks, septic tank cleanup inspection, liability assessments and estimating costs to attain compliance.
- ❑ *Expert Witness*  
Offered expert witness testimony for the New York State Department of Environmental Conservation (NYSDEC) and several private sector cases.
- ❑ *Environmental Impact Statements*  
Conducted and supervised several environmental impact statements for shopping centers in the states of New York and North Carolina.
- ❑ *Solute Transport Modeling*  
Conducted groundwater flow and solute transport modeling at Superfund, municipal, industrial and water supply sites impacted by organic/inorganic hydrocarbons, PCBs and metals. Developed strategies to contain and clean-up aquifers, protect water supply wells and prohibit impacts to surface water bodies, including containment of free phase product recovery. Analytical and numerical models, such as PLASM, MODFLOW, Random Walk, Quickflow, Flowpath and Groundwater Path were used.

- ❑ *Risk Assessments*  
Delineated dissolved petroleum hydrocarbon plume and implemented a risk assessment regarding a subsurface storage tank release into the Long Island Aquifer.
- ❑ *Engineering Compliance*  
Auditing manufacturing plants, assessing plant-wide environmental conditions, identifying present and potential RCRA wastes and other environmental problems and offering solutions, SARA Title III calculations, environmental inventorying, compliance status and potential impact analysis of waste disposal practices, air compliance analysis, insurance claims analysis and preparing work plans and engineering reports.
- ❑ *Remedial Investigation and Feasibility Studies*  
Oversight/planning of site investigations; data analysis, including statistical analysis and geostatistical contouring utilizing SURFER and GEOSOFT/KRIGING; performance of feasibility studies, including technology evaluations and screening, alternatives development and evaluation and cost estimations.
- ❑ *Due-Diligence Programs*  
Designed and implemented due-diligence programs (ranging from Phase I Assessment to Comprehensive Hydrogeologic Investigations) to assess environmental liabilities for numerous land development clientele.
- ❑ *Delineation of Chlorinated Organic Plumes*  
Supervised the delineation of a dissolved chlorinated organic plume from underground tank loss. Developed a remedial action program in accordance with New York State regulatory guidelines to abate soil and groundwater contamination.
- ❑ *Research Projects*  
Conducted groundwater studies with Nassau County Department of Public Works to investigate the impact of heating oil and solvents on public supply wells in the Levittown and Glen Cove areas of New York State.
- ❑ *Remedial Action*  
Prepared remedial action plans. Designed and implemented hydrocarbon remediation systems for soil and groundwater.
- ❑ *Pump Test Aquifer Analysis*  
Conducted several pump test aquifer analysis and field coordination in relation to water supply feasibility studies for the New York City Transit Authority.
- ❑ *OSHA Instructor*  
Instructed several courses, such as, OSHA 40 Hours Right to Know, CPR, 8 Hour OSHA Refresher, Fall Protection, Confined Space Entry and Lockout/tag-out. Developed safety programs for confine space and accident investigations.
  
- ❑ *Hazardous Waste Remediation Sites*  
Project Manager - RI/FS, pre design investigation, remedial design, construction oversight of the remedial action, and operations and

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

### **Employment**

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

### **Education**

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

### **Affiliations and Certifications**

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

### Registrations and Certifications

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

### Courses and Seminars

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

### Publications/Presentations

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



- 2000 – 2001            Assistant Director, Professional Services  
Fenley & Nicol Environmental, Inc., Deer Park, New York
- 1999 – 2000            Senior Geologist  
Fenley & Nicol Environmental, Inc. Deer Park, New York
- 1995 – 1999            Operations Director  
Advanced Cleanup Technologies, Inc., Farmingdale, New  
York
- 1992 – 1995            Project Geologist  
Advanced Cleanup Technologies, Inc., Roslyn Heights, New York

#### Education

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

#### Affiliations and Certifications

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

#### Registrations and Certifications

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

#### Publications/Presentations

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

**Appendix B**  
**Boring Logs**

# BORING LOG

**BORING #:** B-1 / MW-1

PAGE 1 of 1

**DATE:** 1/29/2014

**CLIENT:** Joseph Yunason

**SITE:** 106-14/16 Liberty Avenue, Ozone Park, NY

**CONTRACTOR:** Zebra Environmental Corp.

**DEPTH DRILLED:** 30 feet

**DEPTH TO WATER:** 28 feet

**DRILLING METHOD:** Direct Push

**SOIL SAMPLING DEVICE:** Track mounted Geoprobe™ 7720 DT

<i>Depth (feet)</i>	<i>Sample #</i>	<i>RECOVERY (inches)</i>	<i>PID Readings (ppm)</i>	<i>Sample Description</i>
0' – 5'	B-1 (0-2)	52"	0.0	0" – 5" Asphalt and crushed concrete; 5" – 23" Black to brown, silty clay with fine grained sand, and trace amounts of gravels; 23" – 38" Red-brown, mostly coarse to medium grained sand, with few silty clay and fine grained sand; 38" – 52" Red-brown, mostly coarse to medium grained sand.
5' – 10'		53"	0.0	0" – 9" Red-brown, mostly coarse to medium grained sand; 9" – 14" Brown, silty clay with fine sand; 14" – 53" Red-brown, mostly coarse to medium grained sand with very few gravel.
10' – 15'	B-1 (9-11)	51"	0.0	0" – 51" Red-brown, mostly coarse to medium grained sand with very few gravel, and quartz cobbles interspersed throughout.
15' – 20'		55"	0.0	0" – 18" Red-brown, mostly coarse to medium grained sand with very few gravel, and quartz cobble interspersed throughout; 18" – 20" Brown, silty clay with fine sand; 20" – 37" Brown, mostly medium grained sand with some coarse and fine grained sand; 37" – 55" Light brown, mostly medium to fine grained sand with little coarse grained sand.
20' – 25'		56"	0.0	0" – 18" Light brown, mostly medium to fine grained sand with little coarse grained sand; 18" – 24" Brown, medium to fine grained sand, with silty clay; 24" – 56" Light brown, mostly medium to fine grained sand.
25' – 30'		56"	0.0	0" – 56" Light brown, mostly medium to fine grained sand. Wet at 26". Installed monitoring well MW-1 to 35'.

# BORING LOG

**BORING #:** B-2 / MW-2

PAGE 1 of 1

**DATE:** 1/30/2014

**CLIENT:** Joseph Yunason

**SITE:** 106-14/16 Liberty Avenue, Ozone Park, NY

**CONTRACTOR:** Zebra Environmental Corp.

**DEPTH DRILLED:** 10 feet

**DEPTH TO WATER:** NA

**DRILLING METHOD:** Direct Push

**SOIL SAMPLING DEVICE:** Track mounted Geoprobe™ 6620 DT

<i>Depth (feet)</i>	<i>Sample #</i>	<i>RECOVERY (inches)</i>	<i>PID Readings (ppm)</i>	<i>Sample Description</i>
0' – 5'	B-2 (0-2)	38"	0.0	0" – 6" Asphalt and crushed concrete; 6" – 21" Brown, silty clay with fine grained sand, and trace amounts of gravel; 21" – 38" Brown, mostly medium grained sand with some fine grained sand, few coarse grained sand, and trace amount of gravel.
5' – 10'	B-2 (4-6)	47"	0.0	0" – 47" Brown, mostly medium grained sand with some fine grained sand, few coarse grained sand, and trace amount of gravel. Installed monitoring well MW-2 to 35'.

# BORING LOG

**BORING #:** B-3 / MW-3

PAGE 1 of 1

**DATE:** 1/30/2014

**CLIENT:** Joseph Yunason

**SITE:** 106-14/16 Liberty Avenue, Ozone Park, NY

**CONTRACTOR:** Zebra Environmental Corp.

**DEPTH DRILLED:** 10 feet

**DEPTH TO WATER:** NA

**DRILLING METHOD:** Direct Push

**SOIL SAMPLING DEVICE:** Track mounted Geoprobe™ 6620 DT

<i>Depth (feet)</i>	<i>Sample #</i>	<i>RECOVERY (inches)</i>	<i>PID Readings (ppm)</i>	<i>Sample Description</i>
0' – 5'	B-3 (0-2)	34"	0.0	0" – 7" Asphalt and crushed concrete; 7" – 22" Brown, silty clay with fine grained sand, and trace amounts of gravel; 22" – 34" Brown, mostly medium grained sand, with some coarse grained sand, and few gravel.
5' – 10'	B-3 (4-6)	37"	0.0	0" – 37" Brown, mostly medium grained sand with some coarse grained sand, and few gravel. Installed monitoring well MW-3 to 35'.

# BORING LOG

**BORING #:** B-4

PAGE 1 of 1

**DATE:** 1/29/2014

**CLIENT:** Joseph Yunason

**SITE:** 106-14/16 Liberty Avenue, Ozone Park, NY

**CONTRACTOR:** Zebra Environmental Corp.

**DEPTH DRILLED:** 15 feet

**DEPTH TO WATER:** NA

**DRILLING METHOD:** Direct Push

**SOIL SAMPLING DEVICE:** Track mounted Geoprobe™ 7720 DT

<i>Depth (feet)</i>	<i>Sample #</i>	<i>RECOVERY (inches)</i>	<i>PID Readings (ppm)</i>	<i>Sample Description</i>
0' – 5'	B-4 (0-2)	47"	0.0	0" – 6" Asphalt and crushed concrete; 6" – 14" Red-brown, silty clay with fine grained sand, and little coarse grained sand; 14" – 30" Red-brown, mostly coarse to medium grained sand, with some fine grained sand and few gravel. 30" – 47" Brown, mostly medium grained sand, with some coarse and fine grained sand.
5' – 10'		52"	0.0	0" – 8" Brown, mostly medium grained sand, with some coarse and fine grained sand; 8" – 15" Brown, mostly silty clay with fine grained sand, and few medium grained sand and trace coarse grained sand; 15" – 42" Dark brown, mostly coarse to medium grained sand, with few fine grained sand; 42" – 52" Light brown, mostly medium grained sand, with some coarse grained sand and few fine grained sand.
10' – 15'	B-4 (13-15)	47"	0.0	0" – 10" Dark brown, mostly medium to fine sand grained, with trace silty clay; 10" – 47" Light brown, mostly coarse to medium grained sand, with little fine grained sand and interspersed with little gravel.

# BORING LOG

**BORING #:** B-5

PAGE 1 of 1

**DATE:** 1/29/2014

**CLIENT:** Joseph Yunason

**SITE:** 106-14/16 Liberty Avenue, Ozone Park, NY

**CONTRACTOR:** Zebra Environmental Corp.

**DEPTH DRILLED:** 5 feet

**DEPTH TO WATER:** NA

**DRILLING METHOD:** Direct Push

**SOIL SAMPLING DEVICE:** Track mounted Geoprobe™ 7720 DT

<i>Depth (feet)</i>	<i>Sample #</i>	<i>RECOVERY (inches)</i>	<i>PID Readings (ppm)</i>	<i>Sample Description</i>
0' – 5'	B-5 (0-2) B-5 (3-5)	60"	0.0	0" – 4" Asphalt and crushed concrete; 4" – 14" Dark brown, silty clay with fine grained sand; 14" – 34" Red-brown, mostly fine grained sand, with some medium grained sand, and trace amounts of coarse grained sand; 34" – 60" Brown, mostly medium grained sand with some coarse and fine grained sands.

# BORING LOG

**BORING #:** B-6

PAGE 1 of 1

**DATE:** 1/30/2014

**CLIENT:** Joseph Yunason

**SITE:** 106-14/16 Liberty Avenue, Ozone Park, NY

**CONTRACTOR:** Zebra Environmental Corp.

**DEPTH DRILLED:** 10 feet

**DEPTH TO WATER:** NA

**DRILLING METHOD:** Direct Push

**SOIL SAMPLING DEVICE:** Track mounted Geoprobe™ 6620 DT

<i>Depth (feet)</i>	<i>Sample #</i>	<i>RECOVERY (inches)</i>	<i>PID Readings (ppm)</i>	<i>Sample Description</i>
0' – 5'	B-6 (0-2)	45"	0.0	0" – 5" Asphalt and crushed concrete; 5" – 27" Dark brown, silty clay with fine grained sand, and trace gravel; 27" – 43" Brown, mostly medium grained sand, with some coarse grained sand, and little fine grained sand.
5' – 10'	B-6 (4-6)	48"	0.0	0" – 24" Brown, mostly medium grained sand, with some coarse grained sand, and little fine grained sand; 24" – 48" Brown mostly coarse to medium grained sand, with little fine grained sand.

# BORING LOG

**BORING #:** B-7

PAGE 1 of 1

**DATE:** 1/30/2014

**CLIENT:** Joseph Yunason

**SITE:** 106-14/16 Liberty Avenue, Ozone Park, NY

**CONTRACTOR:** Zebra Environmental Corp.

**DEPTH DRILLED:** 5 feet

**DEPTH TO WATER:** NA

**DRILLING METHOD:** Direct Push

**SOIL SAMPLING DEVICE:** Track mounted Geoprobe™ 6620 DT

<i>Depth (feet)</i>	<i>Sample #</i>	<i>RECOVERY (inches)</i>	<i>PID Readings (ppm)</i>	<i>Sample Description</i>
0' – 5'	B-7 (0-2) B-7 (3-5)	45"	0.0	0" – 3" Asphalt and crushed concrete; 3" – 23" Dark brown, silty clay with fine grained sand, and little medium grained sand; 23" – 45" Brown, mostly medium grained sand, with some fine grained sand and little coarse grained sand.

**Appendix C**  
**Groundwater Monitoring Logs**

# GROUNDWATER SAMPLING LOG

102-16 Liberty Ave

Ozone Park, NY

Well ID:	MW-1
Date:	2/4/14
Sampling Personnel:	AJS & DM
Weather:	Clear, 34°F

## WELL INFORMATION

Well Depth (ft):	35.35
Water Level Depth (ft):	25.60
Well Diameter (in):	2

## WELL WATER INFORMATION

Length of Water Column (ft):	9.75
Volume of Water in Well (gal):	1.59
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	9

## EVACUATION INFORMATION

Pump On: 11:25

Pump Off: 11:34

Time:	11:26	11:27	11:28	11:29				
<i>Parameter</i>								
DO (mg/L)	7.44	7.30	7.40	7.42				
Temperature (°C)	17.74	18.25	18.00	17.94				
pH	8.10	7.68	7.40	7.38				
Cond (umho's/cm)	854	913	986	998				
Turbidity (NTU)	999+	999+	999+	999+				

# GROUNDWATER SAMPLING LOG

102-16 Liberty Ave

Ozone Park, NY

Well ID:	MW-2
Date:	2/4/14
Sampling Personnel:	AJS & DM
Weather:	Clear, 34°F

## WELL INFORMATION

Well Depth (ft):	35.35
Water Level Depth (ft):	26.48
Well Diameter (in):	2

## WELL WATER INFORMATION

Length of Water Column (ft):	8.87
Volume of Water in Well (gal):	1.45
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	10

## EVACUATION INFORMATION

Pump On: 11:45

Pump Off: 11:55

Time:	11:46	11:47	11:48	11:49				
<i>Parameter</i>								
DO (mg/L)	7.95	7.70	7.69	7.69				
Temperature (°C)	17.19	17.52	17.59	17.62				
pH	7.48	7.28	7.18	7.16				
Cond (umho's/cm)	908	924	947	949				
Turbidity (NTU)	999+	999+	999+	999+				

# GROUNDWATER SAMPLING LOG

102-16 Liberty Ave

Ozone Park, NY

Well ID:	MW-3
Date:	2/4/14
Sampling Personnel:	AJS & DM
Weather:	Clear, 34°F

## WELL INFORMATION

Well Depth (ft):	35.10
Water Level Depth (ft):	27.50
Well Diameter (in):	2

## WELL WATER INFORMATION

Length of Water Column (ft):	7.60
Volume of Water in Well (gal):	1.24
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	10

## EVACUATION INFORMATION

Pump On: 12:05

Pump Off: 12:15

Time:	12:06	12:07	12:08	12:09				
<i>Parameter</i>								
DO (mg/L)	7.49	7.75	7.78	7.84				
Temperature (°C)	17.47	17.78	17.84	17.89				
pH	7.73	7.52	7.48	7.45				
Cond (umho's/cm)	426	425	423	427				
Turbidity (NTU)	999+	999+	999+	999+				

**Appendix D**  
**Laboratory Data Deliverables**



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: [www.American-Analytical.com](http://www.American-Analytical.com)

February 06, 2014

Jim DeMartinis  
J.R. Holzmacher P.E. LLC  
3555 Veterans Memorial Hwy., Suite A  
Ronkonkoma, NY 11788  
TEL: (631) 234-2220  
FAX (631) 234-2221

RE: Liberty Ave., 102- 14/16 Ozone Park, NY

Order No.: 1401119

Dear Jim DeMartinis:

American Analytical Laboratories, LLC. received 6 sample(s) on 1/29/2014 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.

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](mailto:lbeyer@american-analytical.com).

Sincerely,

Lori Beyer  
Lab Director  
American Analytical Laboratories, LLC.



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## Workorder Sample Summary

WO#: 1401119

06-Feb-14

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**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

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Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1401119-001A	B-1 (0-2)		1/29/2014 1:23:00 PM	1/29/2014 3:00:00 PM	Soil
1401119-001B	B-1 (0-2)		1/29/2014 1:23:00 PM	1/29/2014 3:00:00 PM	Soil
1401119-002A	B-1 (9-11)		1/29/2014 1:27:00 PM	1/29/2014 3:00:00 PM	Soil
1401119-002B	B-1 (9-11)		1/29/2014 1:27:00 PM	1/29/2014 3:00:00 PM	Soil
1401119-003A	B-4 (0-2)		1/29/2014 12:00:00 PM	1/29/2014 3:00:00 PM	Soil
1401119-003B	B-4 (0-2)		1/29/2014 12:00:00 PM	1/29/2014 3:00:00 PM	Soil
1401119-004A	B-4 (13-15)		1/29/2014 12:12:00 PM	1/29/2014 3:00:00 PM	Soil
1401119-004B	B-4 (13-15)		1/29/2014 12:12:00 PM	1/29/2014 3:00:00 PM	Soil
1401119-005A	B-5 (0-2)		1/29/2014 11:45:00 AM	1/29/2014 3:00:00 PM	Soil
1401119-005B	B-5 (0-2)		1/29/2014 11:45:00 AM	1/29/2014 3:00:00 PM	Soil
1401119-006A	B-5 (3-5)		1/29/2014 11:48:00 AM	1/29/2014 3:00:00 PM	Soil
1401119-006B	B-5 (3-5)		1/29/2014 11:48:00 AM	1/29/2014 3:00:00 PM	Soil



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Website: www.American-Analytical.com

## Case Narrative

WO#: 1401119  
Date: 2/6/2014

---

**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A via the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method.

Volatile LCS are analyzed with preservatives - HCL/NaHSO<sub>4</sub>/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Pesticide analysis by Method 8081B (if applicable to this work order) is analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, SM 4500-SO<sub>3</sub> B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid



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## Case Narrative

WO#: 1401119  
Date: 2/6/2014

---

**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

---

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. Or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:23:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,1,1-Trichloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,1,2,2-Tetrachloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,1,2-Trichloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,1-Dichloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,1-Dichloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,1-Dichloropropene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2,3-Trichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2,3-Trichloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2,4,5-Tetramethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2,4-Trichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2,4-Trimethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2-Dibromo-3-chloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2-Dibromoethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2-Dichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2-Dichloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,2-Dichloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,3,5-Trimethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,3-Dichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,3-dichloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,4-Dichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
1,4-Dioxane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
2,2-Dichloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
2-Butanone	U	5.4	11		µg/Kg-dry	1	1/30/2014 12:30:00 PM
2-Chloroethyl vinyl ether	U	1.1	5.4	*	µg/Kg-dry	1	1/30/2014 12:30:00 PM
2-Chlorotoluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
2-Hexanone	U	5.4	11		µg/Kg-dry	1	1/30/2014 12:30:00 PM
2-Propanol	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
4-Chlorotoluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
4-Isopropyltoluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
4-Methyl-2-pentanone	U	5.4	11		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Acetone	16	1.3	11	B*	µg/Kg-dry	1	1/30/2014 12:30:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:23:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-001A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Bromobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Bromochloromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Bromodichloromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Bromoform	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Bromomethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Carbon disulfide	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Carbon tetrachloride	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Chlorobenzene	2.1	1.1	5.4	J	µg/Kg-dry	1	1/30/2014 12:30:00 PM
Chlorodifluoromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Chloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Chloroform	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Chloromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
cis-1,2-Dichloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
cis-1,3-Dichloropropene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Cyclohexane	U	2.2	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Dibromochloromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Dibromomethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Dichlorodifluoromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Diisopropyl ether	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Ethanol	U	11	22		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Ethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Freon-114	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Hexachlorobutadiene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Isopropylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
m,p-Xylene	U	2.2	11		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Methyl Acetate	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Methyl tert-butyl ether	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Methylene chloride	10	1.1	5.4	B*	µg/Kg-dry	1	1/30/2014 12:30:00 PM
Naphthalene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
n-Butylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
n-Propylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
o-Xylene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC

**Client Sample ID:** B-1 (0-2)

**Lab Order:** 1401119

**Collection Date:** 1/29/2014 1:23:00 PM

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**Matrix:** SOIL

**Lab ID:** 1401119-001A

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
p-Diethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
p-Ethyltoluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
sec-Butylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Styrene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
t-Butyl alcohol	U	2.7	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
tert-Butylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Tetrachloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Toluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
trans-1,2-Dichloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
trans-1,3-Dichloropropene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Trichloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Trichlorofluoromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Vinyl acetate	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Vinyl chloride	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 12:30:00 PM
Surr: 4-Bromofluorobenzene	94.1	0	56-133		%REC	1	1/30/2014 12:30:00 PM
Surr: Dibromofluoromethane	96.8	0	60-132		%REC	1	1/30/2014 12:30:00 PM
Surr: Toluene-d8	99.1	0	69-125		%REC	1	1/30/2014 12:30:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:23:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-001B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	0.101	0.008	0.0125		mg/Kg-dry	1	2/4/2014 2:43:43 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Aroclor 1221	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Aroclor 1232	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Aroclor 1242	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Aroclor 1248	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Aroclor 1254	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Aroclor 1260	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Aroclor 1262	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Aroclor 1268	U	11	21		µg/Kg-dry	1	2/1/2014 3:26:00 PM
Surr: DCB	37.6	0	12-144		%REC	1	2/1/2014 3:26:00 PM
Surr: TCX	47.2	0	13-145		%REC	1	2/1/2014 3:26:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
4,4'-DDE	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
4,4'-DDT	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Aldrin	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
alpha-BHC	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
beta-BHC	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Chlordane	U	11	21		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Chlorobenzilate	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
DBCP	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
delta-BHC	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Dieldrin	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Endosulfan I	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Endosulfan II	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Endosulfan sulfate	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Endrin	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Endrin aldehyde	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Endrin ketone	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
gamma-BHC	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:23:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-001B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Heptachlor epoxide	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Hexachlorobenzene	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Hexachlorocyclopentadiene	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Methoxychlor	U	1.1	2.7		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Toxaphene	U	13	27		µg/Kg-dry	1	2/4/2014 2:02:00 PM
Surr: DCB	45.6	0	16-148		%REC	1	2/1/2014 2:28:00 AM
Surr: DCB	44.2	0	16-148		%REC	1	2/4/2014 2:02:00 PM
Surr: TCX	39.4	0	19-145		%REC	1	2/4/2014 2:02:00 PM
Surr: TCX	56.9	0	19-145		%REC	1	2/1/2014 2:28:00 AM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	9.1	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	9990	1.1	4.38		mg/Kg-dry	10	2/3/2014 12:43:40 PM
Antimony	U	0.22	0.548		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Arsenic	3.87	0.22	0.548		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Barium	76.3	0.22	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Beryllium	U	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Cadmium	0.176	0.11	0.438	J	mg/Kg-dry	1	2/3/2014 12:11:10 PM
Calcium	2480	0.22	0.548		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Chromium	18.5	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Cobalt	U	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Copper	21.2	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Iron	11500	2.19	4.38		mg/Kg-dry	10	2/3/2014 12:43:40 PM
Lead	146	0.22	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Magnesium	2500	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Manganese	193	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Nickel	10.4	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Potassium	850	0.22	0.548		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Selenium	U	0.22	0.548		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Silver	0.114	0.11	0.438	J	mg/Kg-dry	1	2/3/2014 12:11:10 PM
Sodium	98.3	0.22	0.548		mg/Kg-dry	1	2/3/2014 12:11:10 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:23:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-001B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Thallium	0.643	0.33	0.548		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Vanadium	24.6	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
Zinc	82.2	0.11	0.438		mg/Kg-dry	1	2/3/2014 12:11:10 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
1,2-Dichlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
1,3-Dichlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
1,4-Dichlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2,3,4,6-Tetrachlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2,4,5-Trichlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2,4,6-Trichlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2,4-Dichlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2,4-Dimethylphenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2,4-Dinitrophenol	U	55	550	*	µg/Kg-dry	1	2/3/2014 6:13:00 PM
2,4-Dinitrotoluene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2,6-Dinitrotoluene	U	55	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2-Chloronaphthalene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2-Chlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2-Methylnaphthalene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2-Methylphenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2-Nitroaniline	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
2-Nitrophenol	U	55	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
3,3'-Dichlorobenzidine	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
3+4-Methylphenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
3-Nitroaniline	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
4,6-Dinitro-2-methylphenol	U	55	550	*	µg/Kg-dry	1	2/3/2014 6:13:00 PM
4-Bromophenyl phenyl ether	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
4-Chloro-3-methylphenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
4-Chloroaniline	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
4-Chlorophenyl phenyl ether	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
4-Nitroaniline	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
4-Nitrophenol	U	55	550		µg/Kg-dry	1	2/3/2014 6:13:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:23:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acenaphthene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Acenaphthylene	77	27	270	J	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Acetophenone	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Aniline	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Anthracene	88	27	270	J	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Atrazine	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Azobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzaldehyde	U	55	550		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzidine	U	55	550		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzo(a)anthracene	400	27	270	m	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzo(a)pyrene	390	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzo(b)fluoranthene	390	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzo(g,h,i)perylene	260	27	270	J	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzo(k)fluoranthene	310	27	270	m	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzoic acid	U	55	550	*	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Benzyl alcohol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Biphenyl	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Bis(2-chloroethoxy)methane	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Bis(2-chloroethyl)ether	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Bis(2-chloroisopropyl)ether	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Bis(2-ethylhexyl)phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Butyl benzyl phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Caprolactam	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Carbazole	35	27	270	J	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Chrysene	400	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Dibenzo(a,h)anthracene	67	27	270	Jm	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Dibenzofuran	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Diethyl phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Dimethyl phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Di-n-butyl phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Di-n-octyl phthalate	U	55	550		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Fluoranthene	780	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Fluorene	43	27	270	J	µg/Kg-dry	1	2/3/2014 6:13:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:23:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-001B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Hexachlorobutadiene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Hexachlorocyclopentadiene	U	55	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Hexachloroethane	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Indeno(1,2,3-c,d)pyrene	310	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Isophorone	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Naphthalene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Nitrobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
N-Nitrosodimethylamine	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
N-Nitrosodi-n-propylamine	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
N-Nitrosodiphenylamine	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Parathion	U	55	550		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Pentachlorophenol	U	55	550		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Phenanthrene	360	27	270	m	µg/Kg-dry	1	2/3/2014 6:13:00 PM
Phenol	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Pyrene	700	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Pyridine	U	27	270		µg/Kg-dry	1	2/3/2014 6:13:00 PM
Surr: 2,4,6-Tribromophenol	98.7	0	11-135		%REC	1	2/3/2014 6:13:00 PM
Surr: 2-Fluorobiphenyl	79.4	0	21-143		%REC	1	2/3/2014 6:13:00 PM
Surr: 2-Fluorophenol	98.0	0	14-122		%REC	1	2/3/2014 6:13:00 PM
Surr: 4-Terphenyl-d14	86.9	0	15-137		%REC	1	2/3/2014 6:13:00 PM
Surr: Nitrobenzene-d5	78.2	0	17-136		%REC	1	2/3/2014 6:13:00 PM
Surr: Phenol-d6	99.6	0	10-116		%REC	1	2/3/2014 6:13:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (9-11)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:27:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-002A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,1,1-Trichloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,1,2,2-Tetrachloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,1,2-Trichloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,1-Dichloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,1-Dichloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,1-Dichloropropene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2,3-Trichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2,3-Trichloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2,4,5-Tetramethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2,4-Trichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2,4-Trimethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2-Dibromo-3-chloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2-Dibromoethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2-Dichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2-Dichloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,2-Dichloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,3,5-Trimethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,3-Dichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,3-dichloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,4-Dichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
1,4-Dioxane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
2,2-Dichloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
2-Butanone	U	5.1	10		µg/Kg-dry	1	1/30/2014 12:58:00 PM
2-Chloroethyl vinyl ether	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
2-Chlorotoluene	U	1	5.1	*	µg/Kg-dry	1	1/30/2014 12:58:00 PM
2-Hexanone	U	5.1	10		µg/Kg-dry	1	1/30/2014 12:58:00 PM
2-Propanol	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
4-Chlorotoluene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
4-Isopropyltoluene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
4-Methyl-2-pentanone	U	5.1	10		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Acetone	4.1	1.3	10	BJ*	µg/Kg-dry	1	1/30/2014 12:58:00 PM



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (9-11)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:27:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-002A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Bromobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Bromochloromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Bromodichloromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Bromoform	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Bromomethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Carbon disulfide	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Carbon tetrachloride	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Chlorobenzene	1.0	1	5.1	J	µg/Kg-dry	1	1/30/2014 12:58:00 PM
Chlorodifluoromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Chloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Chloroform	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Chloromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
cis-1,2-Dichloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
cis-1,3-Dichloropropene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Cyclohexane	U	2	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Dibromochloromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Dibromomethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Dichlorodifluoromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Diisopropyl ether	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Ethanol	U	10	20		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Ethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Freon-114	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Hexachlorobutadiene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Isopropylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
m,p-Xylene	U	2	10		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Methyl Acetate	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Methyl tert-butyl ether	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Methylene chloride	8.0	1	5.1	B*	µg/Kg-dry	1	1/30/2014 12:58:00 PM
Naphthalene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
n-Butylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
n-Propylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
o-Xylene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 06-Feb-14

**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (9-11)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:27:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-002A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: <b>LA</b>	
p-Diethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
p-Ethyltoluene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
sec-Butylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Styrene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
t-Butyl alcohol	U	2.5	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
tert-Butylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Tetrachloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Toluene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
trans-1,2-Dichloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
trans-1,3-Dichloropropene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Trichloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Trichlorofluoromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Vinyl acetate	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Vinyl chloride	U	1	5.1		µg/Kg-dry	1	1/30/2014 12:58:00 PM
Surr: 4-Bromofluorobenzene	99.1	0	56-133		%REC	1	1/30/2014 12:58:00 PM
Surr: Dibromofluoromethane	98.4	0	60-132		%REC	1	1/30/2014 12:58:00 PM
Surr: Toluene-d8	100	0	69-125		%REC	1	1/30/2014 12:58:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (9-11)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:27:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	U	0.007	0.0110		mg/Kg-dry	1	2/4/2014 2:45:51 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Aroclor 1221	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Aroclor 1232	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Aroclor 1242	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Aroclor 1248	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Aroclor 1254	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Aroclor 1260	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Aroclor 1262	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Aroclor 1268	U	10	20		µg/Kg-dry	1	2/1/2014 3:50:00 PM
Surr: DCB	60.6	0	12-144		%REC	1	2/1/2014 3:50:00 PM
Surr: TCX	80.3	0	13-145		%REC	1	2/1/2014 3:50:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
4,4'-DDE	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
4,4'-DDT	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Aldrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
alpha-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
beta-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Chlordane	U	10	20		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Chlorobenzilate	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
DBCP	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
delta-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Dieldrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Endosulfan I	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Endosulfan II	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Endosulfan sulfate	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Endrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Endrin aldehyde	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Endrin ketone	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
gamma-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (9-11)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:27:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Heptachlor epoxide	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Hexachlorobenzene	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Hexachlorocyclopentadiene	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Methoxychlor	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Toxaphene	U	13	25		µg/Kg-dry	1	2/1/2014 2:42:00 AM
Surr: DCB	69.1	0	16-148		%REC	1	2/1/2014 2:42:00 AM
Surr: TCX	63.0	0	19-145		%REC	1	2/1/2014 2:42:00 AM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	2.9	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	2260	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Antimony	U	0.21	0.513		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Arsenic	1.07	0.21	0.513		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Barium	21.9	0.21	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Beryllium	U	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Cadmium	U	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Calcium	259	0.21	0.513		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Chromium	9.53	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Cobalt	U	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Copper	6.08	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Iron	10500	2.05	4.10		mg/Kg-dry	10	2/3/2014 12:45:42 PM
Lead	2.75	0.21	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Magnesium	780	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Manganese	244	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Nickel	6.76	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Potassium	503	0.21	0.513		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Selenium	U	0.21	0.513		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Silver	U	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Sodium	28.8	0.21	0.513		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Thallium	U	0.31	0.513		mg/Kg-dry	1	2/3/2014 12:13:12 PM
Vanadium	10.1	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (9-11)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:27:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Zinc	10.3	0.10	0.410		mg/Kg-dry	1	2/3/2014 12:13:12 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
1,2-Dichlorobenzene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
1,3-Dichlorobenzene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
1,4-Dichlorobenzene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2,3,4,6-Tetrachlorophenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2,4,5-Trichlorophenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2,4,6-Trichlorophenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2,4-Dichlorophenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2,4-Dimethylphenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2,4-Dinitrophenol	U	51	510	*	µg/Kg-dry	1	2/3/2014 6:36:00 PM
2,4-Dinitrotoluene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2,6-Dinitrotoluene	U	51	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2-Chloronaphthalene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2-Chlorophenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2-Methylnaphthalene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2-Methylphenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2-Nitroaniline	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
2-Nitrophenol	U	51	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
3,3'-Dichlorobenzidine	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
3+4-Methylphenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
3-Nitroaniline	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
4,6-Dinitro-2-methylphenol	U	51	510	*	µg/Kg-dry	1	2/3/2014 6:36:00 PM
4-Bromophenyl phenyl ether	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
4-Chloro-3-methylphenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
4-Chloroaniline	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
4-Chlorophenyl phenyl ether	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
4-Nitroaniline	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
4-Nitrophenol	U	51	510		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Acenaphthene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Acenaphthylene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (9-11)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:27:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-002B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Aniline	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Anthracene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Atrazine	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Azobenzene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzaldehyde	U	51	510		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzdine	U	51	510		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzo(a)anthracene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzo(a)pyrene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzo(b)fluoranthene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzo(g,h,i)perylene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzo(k)fluoranthene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzoic acid	U	51	510	*	µg/Kg-dry	1	2/3/2014 6:36:00 PM
Benzyl alcohol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Biphenyl	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Bis(2-chloroethoxy)methane	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Bis(2-chloroethyl)ether	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Bis(2-chloroisopropyl)ether	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Bis(2-ethylhexyl)phthalate	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Butyl benzyl phthalate	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Caprolactam	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Carbazole	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Chrysene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Dibenzo(a,h)anthracene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Dibenzofuran	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Diethyl phthalate	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Dimethyl phthalate	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Di-n-butyl phthalate	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Di-n-octyl phthalate	U	51	510		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Fluoranthene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Fluorene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Hexachlorobenzene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Hexachlorobutadiene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-1 (9-11)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 1:27:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-002B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	51	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Hexachloroethane	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Indeno(1,2,3-c,d)pyrene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Isophorone	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Naphthalene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Nitrobenzene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
N-Nitrosodimethylamine	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
N-Nitrosodi-n-propylamine	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
N-Nitrosodiphenylamine	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Parathion	U	51	510		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Pentachlorophenol	U	51	510		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Phenanthrene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Phenol	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Pyrene	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Pyridine	U	26	260		µg/Kg-dry	1	2/3/2014 6:36:00 PM
Surr: 2,4,6-Tribromophenol	99.1	0	11-135		%REC	1	2/3/2014 6:36:00 PM
Surr: 2-Fluorobiphenyl	81.2	0	21-143		%REC	1	2/3/2014 6:36:00 PM
Surr: 2-Fluorophenol	98.4	0	14-122		%REC	1	2/3/2014 6:36:00 PM
Surr: 4-Terphenyl-d14	90.1	0	15-137		%REC	1	2/3/2014 6:36:00 PM
Surr: Nitrobenzene-d5	77.0	0	17-136		%REC	1	2/3/2014 6:36:00 PM
Surr: Phenol-d6	102	0	10-116		%REC	1	2/3/2014 6:36:00 PM



**American Analytical Laboratories, LLC.**

**Date:** 06-Feb-14

**ELAP ID :** 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:00:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-003A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,1,1-Trichloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,1,2,2-Tetrachloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,1,2-Trichloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,1-Dichloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,1-Dichloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,1-Dichloropropene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2,3-Trichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2,3-Trichloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2,4,5-Tetramethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2,4-Trichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2,4-Trimethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2-Dibromo-3-chloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2-Dibromoethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2-Dichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2-Dichloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,2-Dichloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,3,5-Trimethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,3-Dichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,3-dichloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,4-Dichlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
1,4-Dioxane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
2,2-Dichloropropane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
2-Butanone	U	5.1	10		µg/Kg-dry	1	1/30/2014 1:25:00 PM
2-Chloroethyl vinyl ether	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
2-Chlorotoluene	U	1	5.1	*	µg/Kg-dry	1	1/30/2014 1:25:00 PM
2-Hexanone	U	5.1	10		µg/Kg-dry	1	1/30/2014 1:25:00 PM
2-Propanol	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
4-Chlorotoluene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
4-Isopropyltoluene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
4-Methyl-2-pentanone	U	5.1	10		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Acetone	4.3	1.3	10	BJ*	µg/Kg-dry	1	1/30/2014 1:25:00 PM

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**American Analytical Laboratories, LLC.**

**Date:** 06-Feb-14

**ELAP ID :** 11418

**CLIENT:** J.R. Holzmacher P.E. LLC

**Client Sample ID:** B-4 (0-2)

**Lab Order:** 1401119

**Collection Date:** 1/29/2014 12:00:00 PM

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**Matrix:** SOIL

**Lab ID:** 1401119-003A

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		Analyst: <b>LA</b>		
Benzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Bromobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Bromochloromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Bromodichloromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Bromoform	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Bromomethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Carbon disulfide	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Carbon tetrachloride	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Chlorobenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Chlorodifluoromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Chloroethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Chloroform	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Chloromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
cis-1,2-Dichloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
cis-1,3-Dichloropropene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Cyclohexane	U	2.1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Dibromochloromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Dibromomethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Dichlorodifluoromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Diisopropyl ether	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Ethanol	U	10	21		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Ethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Freon-114	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Hexachlorobutadiene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Isopropylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
m,p-Xylene	U	2.1	10		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Methyl Acetate	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Methyl tert-butyl ether	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Methylene chloride	8.4	1	5.1	B*	µg/Kg-dry	1	1/30/2014 1:25:00 PM
Naphthalene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
n-Butylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
n-Propylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
o-Xylene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM

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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:00:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-003A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
p-Ethyltoluene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
sec-Butylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Styrene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
t-Butyl alcohol	U	2.6	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
tert-Butylbenzene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Tetrachloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Toluene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
trans-1,2-Dichloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
trans-1,3-Dichloropropene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Trichloroethene	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Trichlorofluoromethane	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Vinyl acetate	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Vinyl chloride	U	1	5.1		µg/Kg-dry	1	1/30/2014 1:25:00 PM
Surr: 4-Bromofluorobenzene	97.1	0	56-133		%REC	1	1/30/2014 1:25:00 PM
Surr: Dibromofluoromethane	98.3	0	60-132		%REC	1	1/30/2014 1:25:00 PM
Surr: Toluene-d8	99.7	0	69-125		%REC	1	1/30/2014 1:25:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:00:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-003B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	U	0.008	0.0115		mg/Kg-dry	1	2/4/2014 2:48:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Aroclor 1221	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Aroclor 1232	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Aroclor 1242	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Aroclor 1248	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Aroclor 1254	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Aroclor 1260	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Aroclor 1262	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Aroclor 1268	U	10	20		µg/Kg-dry	1	2/1/2014 4:15:00 PM
Surr: DCB	62.7	0	12-144		%REC	1	2/1/2014 4:15:00 PM
Surr: TCX	84.7	0	13-145		%REC	1	2/1/2014 4:15:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
4,4'-DDE	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
4,4'-DDT	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Aldrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
alpha-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
beta-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Chlordane	U	10	20		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Chlorobenzilate	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
DBCP	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
delta-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Dieldrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Endosulfan I	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Endosulfan II	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Endosulfan sulfate	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Endrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Endrin aldehyde	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Endrin ketone	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
gamma-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:00:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-003B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Heptachlor epoxide	1.2	1	2.5	J	µg/Kg-dry	1	2/1/2014 2:57:00 AM
Hexachlorobenzene	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Hexachlorocyclopentadiene	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Methoxychlor	U	1	2.5		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Toxaphene	U	13	25		µg/Kg-dry	1	2/1/2014 2:57:00 AM
Surr: DCB	58.6	0	16-148		%REC	1	2/1/2014 2:57:00 AM
Surr: TCX	53.0	0	19-145		%REC	1	2/1/2014 2:57:00 AM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	4.6	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	3880	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Antimony	U	0.21	0.518		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Arsenic	1.42	0.21	0.518		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Barium	17.4	0.21	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Beryllium	U	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Cadmium	U	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Calcium	331	0.21	0.518		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Chromium	10.9	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Cobalt	U	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Copper	9.49	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Iron	11100	2.07	4.14		mg/Kg-dry	10	2/3/2014 12:47:43 PM
Lead	3.32	0.21	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Magnesium	1210	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Manganese	233	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Nickel	8.87	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Potassium	592	0.21	0.518		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Selenium	U	0.21	0.518		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Silver	U	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Sodium	28.0	0.21	0.518		mg/Kg-dry	1	2/3/2014 12:15:13 PM
Thallium	0.382	0.31	0.518	J	mg/Kg-dry	1	2/3/2014 12:15:13 PM
Vanadium	16.4	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:00:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
Zinc	14.0	0.10	0.414		mg/Kg-dry	1	2/3/2014 12:15:13 PM
							Analyst: JP
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
							Analyst: MH
1,2,4-Trichlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
1,2-Dichlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
1,3-Dichlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
1,4-Dichlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2,3,4,6-Tetrachlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2,4,5-Trichlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2,4,6-Trichlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2,4-Dichlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2,4-Dimethylphenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2,4-Dinitrophenol	U	51	510	*	µg/Kg-dry	1	2/3/2014 6:59:00 PM
2,4-Dinitrotoluene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2,6-Dinitrotoluene	U	51	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2-Chloronaphthalene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2-Chlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2-Methylnaphthalene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2-Methylphenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2-Nitroaniline	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
2-Nitrophenol	U	51	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
3,3'-Dichlorobenzidine	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
3+4-Methylphenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
3-Nitroaniline	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
4,6-Dinitro-2-methylphenol	U	51	510	*	µg/Kg-dry	1	2/3/2014 6:59:00 PM
4-Bromophenyl phenyl ether	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
4-Chloro-3-methylphenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
4-Chloroaniline	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
4-Chlorophenyl phenyl ether	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
4-Nitroaniline	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
4-Nitrophenol	U	51	510		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Acenaphthene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Acenaphthylene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:00:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Aniline	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Anthracene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Atrazine	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Azobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzaldehyde	U	51	510		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzdine	U	51	510		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzo(a)anthracene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzo(a)pyrene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzo(b)fluoranthene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzo(g,h,i)perylene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzo(k)fluoranthene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzoic acid	U	51	510	*	µg/Kg-dry	1	2/3/2014 6:59:00 PM
Benzyl alcohol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Biphenyl	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Bis(2-chloroethoxy)methane	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Bis(2-chloroethyl)ether	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Bis(2-chloroisopropyl)ether	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Bis(2-ethylhexyl)phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Butyl benzyl phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Caprolactam	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Carbazole	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Chrysene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Dibenzo(a,h)anthracene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Dibenzofuran	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Diethyl phthalate	U	25	250	m	µg/Kg-dry	1	2/3/2014 6:59:00 PM
Dimethyl phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Di-n-butyl phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Di-n-octyl phthalate	U	51	510		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Fluoranthene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Fluorene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Hexachlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Hexachlorobutadiene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:00:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-003B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	51	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Hexachloroethane	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Indeno(1,2,3-c,d)pyrene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Isophorone	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Naphthalene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Nitrobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
N-Nitrosodimethylamine	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
N-Nitrosodi-n-propylamine	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
N-Nitrosodiphenylamine	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Parathion	U	51	510		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Pentachlorophenol	U	51	510		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Phenanthrene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Phenol	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Pyrene	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Pyridine	U	25	250		µg/Kg-dry	1	2/3/2014 6:59:00 PM
Surr: 2,4,6-Tribromophenol	99.6	0	11-135		%REC	1	2/3/2014 6:59:00 PM
Surr: 2-Fluorobiphenyl	77.5	0	21-143		%REC	1	2/3/2014 6:59:00 PM
Surr: 2-Fluorophenol	97.5	0	14-122		%REC	1	2/3/2014 6:59:00 PM
Surr: 4-Terphenyl-d14	87.6	0	15-137		%REC	1	2/3/2014 6:59:00 PM
Surr: Nitrobenzene-d5	83.7	0	17-136		%REC	1	2/3/2014 6:59:00 PM
Surr: Phenol-d6	101	0	10-116		%REC	1	2/3/2014 6:59:00 PM



# American Analytical Laboratories, LLC.

Date: 06-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (13-15)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:12:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-004A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,1,1-Trichloroethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,1,2,2-Tetrachloroethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,1,2-Trichloroethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,1-Dichloroethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,1-Dichloroethene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,1-Dichloropropene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2,3-Trichlorobenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2,3-Trichloropropane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2,4,5-Tetramethylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2,4-Trichlorobenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2,4-Trimethylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2-Dibromo-3-chloropropane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2-Dibromoethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2-Dichlorobenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2-Dichloroethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,2-Dichloropropane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,3,5-Trimethylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,3-Dichlorobenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,3-dichloropropane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,4-Dichlorobenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
1,4-Dioxane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
2,2-Dichloropropane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
2-Butanone	U	5.2	10		µg/Kg-dry	1	1/30/2014 1:53:00 PM
2-Chloroethyl vinyl ether	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
2-Chlorotoluene	U	1	5.2	*	µg/Kg-dry	1	1/30/2014 1:53:00 PM
2-Hexanone	U	5.2	10		µg/Kg-dry	1	1/30/2014 1:53:00 PM
2-Propanol	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
4-Chlorotoluene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
4-Isopropyltoluene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
4-Methyl-2-pentanone	U	5.2	10		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Acetone	4.5	1.3	10	BJ*	µg/Kg-dry	1	1/30/2014 1:53:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (13-15)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:12:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-004A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Bromobenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Bromochloromethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Bromodichloromethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Bromoform	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Bromomethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Carbon disulfide	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Carbon tetrachloride	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Chlorobenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Chlorodifluoromethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Chloroethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Chloroform	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Chloromethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
cis-1,2-Dichloroethene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
cis-1,3-Dichloropropene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Cyclohexane	U	2.1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Dibromochloromethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Dibromomethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Dichlorodifluoromethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Diisopropyl ether	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Ethanol	U	10	21		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Ethylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Freon-114	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Hexachlorobutadiene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Isopropylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
m,p-Xylene	U	2.1	10		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Methyl Acetate	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Methyl tert-butyl ether	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Methylene chloride	8.6	1	5.2	B*	µg/Kg-dry	1	1/30/2014 1:53:00 PM
Naphthalene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
n-Butylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
n-Propylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
o-Xylene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
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**American Analytical Laboratories, LLC.**

**Date:** 06-Feb-14

**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (13-15)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:12:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-004A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
p-Diethylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
p-Ethyltoluene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
sec-Butylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Styrene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
t-Butyl alcohol	U	2.6	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
tert-Butylbenzene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Tetrachloroethene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Toluene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
trans-1,2-Dichloroethene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
trans-1,3-Dichloropropene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Trichloroethene	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Trichlorofluoromethane	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Vinyl acetate	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Vinyl chloride	U	1	5.2		µg/Kg-dry	1	1/30/2014 1:53:00 PM
Surr: 4-Bromofluorobenzene	96.3	0	56-133		%REC	1	1/30/2014 1:53:00 PM
Surr: Dibromofluoromethane	98.0	0	60-132		%REC	1	1/30/2014 1:53:00 PM
Surr: Toluene-d8	100	0	69-125		%REC	1	1/30/2014 1:53:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (13-15)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:12:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	U	0.008	0.0124		mg/Kg-dry	1	2/4/2014 2:50:10 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Aroclor 1221	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Aroclor 1232	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Aroclor 1242	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Aroclor 1248	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Aroclor 1254	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Aroclor 1260	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Aroclor 1262	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Aroclor 1268	U	10	21		µg/Kg-dry	1	2/1/2014 4:39:00 PM
Surr: DCB	62.0	0	12-144		%REC	1	2/1/2014 4:39:00 PM
Surr: TCX	78.9	0	13-145		%REC	1	2/1/2014 4:39:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
4,4'-DDE	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
4,4'-DDT	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Aldrin	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
alpha-BHC	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
beta-BHC	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Chlordane	U	10	21		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Chlorobenzilate	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
DBCP	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
delta-BHC	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Dieldrin	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Endosulfan I	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Endosulfan II	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Endosulfan sulfate	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Endrin	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Endrin aldehyde	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Endrin ketone	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
gamma-BHC	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (13-15)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:12:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Heptachlor epoxide	1.2	1	2.6	J	µg/Kg-dry	1	2/1/2014 3:11:00 AM
Hexachlorobenzene	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Hexachlorocyclopentadiene	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Methoxychlor	U	1	2.6		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Toxaphene	U	13	26		µg/Kg-dry	1	2/1/2014 3:11:00 AM
Surr: DCB	69.8	0	16-148		%REC	1	2/1/2014 3:11:00 AM
Surr: TCX	56.0	0	19-145		%REC	1	2/1/2014 3:11:00 AM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	4.1	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	1930	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Antimony	U	0.2	0.494		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Arsenic	0.884	0.2	0.494		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Barium	18.8	0.2	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Beryllium	U	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Cadmium	U	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Calcium	250	0.2	0.494		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Chromium	7.91	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Cobalt	U	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Copper	5.80	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Iron	10600	1.98	3.95		mg/Kg-dry	10	2/3/2014 12:49:45 PM
Lead	2.64	0.2	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Magnesium	628	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Manganese	229	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Nickel	6.13	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Potassium	388	0.2	0.494		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Selenium	U	0.2	0.494		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Silver	U	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Sodium	26.2	0.2	0.494		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Thallium	U	0.3	0.494		mg/Kg-dry	1	2/3/2014 12:17:15 PM
Vanadium	11.5	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (13-15)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:12:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							Analyst: <b>JP</b>
Zinc	10.4	0.1	0.395		mg/Kg-dry	1	2/3/2014 12:17:15 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							Analyst: <b>MH</b>
			<b>SW8270D</b>		<b>SW3546</b>		
1,2,4-Trichlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
1,2-Dichlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
1,3-Dichlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
1,4-Dichlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2,3,4,6-Tetrachlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2,4,5-Trichlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2,4,6-Trichlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2,4-Dichlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2,4-Dimethylphenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2,4-Dinitrophenol	U	50	500	*	µg/Kg-dry	1	2/3/2014 7:22:00 PM
2,4-Dinitrotoluene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2,6-Dinitrotoluene	U	50	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2-Chloronaphthalene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2-Chlorophenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2-Methylnaphthalene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2-Methylphenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2-Nitroaniline	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
2-Nitrophenol	U	50	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
3,3'-Dichlorobenzidine	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
3+4-Methylphenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
3-Nitroaniline	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
4,6-Dinitro-2-methylphenol	U	50	500	*	µg/Kg-dry	1	2/3/2014 7:22:00 PM
4-Bromophenyl phenyl ether	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
4-Chloro-3-methylphenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
4-Chloroaniline	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
4-Chlorophenyl phenyl ether	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
4-Nitroaniline	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
4-Nitrophenol	U	50	500		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Acenaphthene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Acenaphthylene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (13-15)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:12:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Aniline	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Anthracene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Atrazine	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Azobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzaldehyde	U	50	500		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzdine	U	50	500		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzo(a)anthracene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzo(a)pyrene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzo(b)fluoranthene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzo(g,h,i)perylene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzo(k)fluoranthene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzoic acid	U	50	500	*	µg/Kg-dry	1	2/3/2014 7:22:00 PM
Benzyl alcohol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Biphenyl	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Bis(2-chloroethoxy)methane	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Bis(2-chloroethyl)ether	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Bis(2-chloroisopropyl)ether	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Bis(2-ethylhexyl)phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Butyl benzyl phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Caprolactam	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Carbazole	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Chrysene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Dibenzo(a,h)anthracene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Dibenzofuran	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Diethyl phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Dimethyl phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Di-n-butyl phthalate	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Di-n-octyl phthalate	U	50	500		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Fluoranthene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Fluorene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Hexachlorobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Hexachlorobutadiene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-4 (13-15)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 12:12:00 PM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	50	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Hexachloroethane	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Indeno(1,2,3-c,d)pyrene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Isophorone	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Naphthalene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Nitrobenzene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
N-Nitrosodimethylamine	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
N-Nitrosodi-n-propylamine	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
N-Nitrosodiphenylamine	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Parathion	U	50	500		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Pentachlorophenol	U	50	500		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Phenanthrene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Phenol	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Pyrene	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Pyridine	U	25	250		µg/Kg-dry	1	2/3/2014 7:22:00 PM
Surr: 2,4,6-Tribromophenol	99.5	0	11-135		%REC	1	2/3/2014 7:22:00 PM
Surr: 2-Fluorobiphenyl	82.1	0	21-143		%REC	1	2/3/2014 7:22:00 PM
Surr: 2-Fluorophenol	98.9	0	14-122		%REC	1	2/3/2014 7:22:00 PM
Surr: 4-Terphenyl-d14	90.4	0	15-137		%REC	1	2/3/2014 7:22:00 PM
Surr: Nitrobenzene-d5	85.3	0	17-136		%REC	1	2/3/2014 7:22:00 PM
Surr: Phenol-d6	103	0	10-116		%REC	1	2/3/2014 7:22:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:45:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-005A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,1,1-Trichloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,1,2,2-Tetrachloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,1,2-Trichloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,1-Dichloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,1-Dichloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,1-Dichloropropene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2,3-Trichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2,3-Trichloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2,4,5-Tetramethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2,4-Trichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2,4-Trimethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2-Dibromo-3-chloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2-Dibromoethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2-Dichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2-Dichloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,2-Dichloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,3,5-Trimethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,3-Dichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,3-dichloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,4-Dichlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
1,4-Dioxane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
2,2-Dichloropropane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
2-Butanone	U	5.4	11		µg/Kg-dry	1	1/30/2014 2:20:00 PM
2-Chloroethyl vinyl ether	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
2-Chlorotoluene	U	1.1	5.4	*	µg/Kg-dry	1	1/30/2014 2:20:00 PM
2-Hexanone	U	5.4	11		µg/Kg-dry	1	1/30/2014 2:20:00 PM
2-Propanol	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
4-Chlorotoluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
4-Isopropyltoluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
4-Methyl-2-pentanone	U	5.4	11		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Acetone	4.5	1.3	11	BJ*	µg/Kg-dry	1	1/30/2014 2:20:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:45:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Bromobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Bromochloromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Bromodichloromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Bromoform	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Bromomethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Carbon disulfide	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Carbon tetrachloride	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Chlorobenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Chlorodifluoromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Chloroethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Chloroform	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Chloromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
cis-1,2-Dichloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
cis-1,3-Dichloropropene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Cyclohexane	U	2.2	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Dibromochloromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Dibromomethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Dichlorodifluoromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Diisopropyl ether	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Ethanol	U	11	22		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Ethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Freon-114	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Hexachlorobutadiene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Isopropylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
m,p-Xylene	U	2.2	11		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Methyl Acetate	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Methyl tert-butyl ether	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Methylene chloride	9.3	1.1	5.4	B*	µg/Kg-dry	1	1/30/2014 2:20:00 PM
Naphthalene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
n-Butylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
n-Propylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
o-Xylene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM

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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:45:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-005A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
p-Ethyltoluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
sec-Butylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Styrene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
t-Butyl alcohol	U	2.7	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
tert-Butylbenzene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Tetrachloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Toluene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
trans-1,2-Dichloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
trans-1,3-Dichloropropene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Trichloroethene	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Trichlorofluoromethane	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Vinyl acetate	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Vinyl chloride	U	1.1	5.4		µg/Kg-dry	1	1/30/2014 2:20:00 PM
Surr: 4-Bromofluorobenzene	97.2	0	56-133		%REC	1	1/30/2014 2:20:00 PM
Surr: Dibromofluoromethane	99.6	0	60-132		%REC	1	1/30/2014 2:20:00 PM
Surr: Toluene-d8	99.1	0	69-125		%REC	1	1/30/2014 2:20:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:45:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.0329	0.009	0.0129		mg/Kg-dry	1	2/4/2014 2:52:19 PM
							Analyst: <b>JP</b>
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
							Analyst: <b>SB</b>
Aroclor 1016	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Aroclor 1221	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Aroclor 1232	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Aroclor 1242	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Aroclor 1248	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Aroclor 1254	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Aroclor 1260	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Aroclor 1262	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Aroclor 1268	U	11	21		µg/Kg-dry	1	2/1/2014 5:04:00 PM
Surr: DCB	45.5	0	12-144		%REC	1	2/1/2014 5:04:00 PM
Surr: TCX	74.5	0	13-145		%REC	1	2/1/2014 5:04:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: <b>SB</b>
4,4'-DDD	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
4,4'-DDE	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
4,4'-DDT	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Aldrin	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
alpha-BHC	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
beta-BHC	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Chlordane	U	11	21		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Chlorobenzilate	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
DBCP	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
delta-BHC	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Dieldrin	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Endosulfan I	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Endosulfan II	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Endosulfan sulfate	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Endrin	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Endrin aldehyde	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Endrin ketone	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
gamma-BHC	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:45:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Heptachlor epoxide	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Hexachlorobenzene	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Hexachlorocyclopentadiene	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Methoxychlor	U	1.1	2.7		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Toxaphene	U	13	27		µg/Kg-dry	1	2/1/2014 3:25:00 AM
Surr: DCB	39.6	0	16-148		%REC	1	2/1/2014 3:25:00 AM
Surr: TCX	38.9	0	19-145		%REC	1	2/1/2014 3:25:00 AM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	9.0	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	9910	1.07	4.29		mg/Kg-dry	10	2/3/2014 12:51:47 PM
Antimony	U	0.22	0.537		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Arsenic	3.30	0.22	0.537		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Barium	35.5	0.22	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Beryllium	U	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Cadmium	U	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Calcium	726	0.22	0.537		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Chromium	18.0	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Cobalt	U	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Copper	11.4	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Iron	12800	2.15	4.29		mg/Kg-dry	10	2/3/2014 12:51:47 PM
Lead	12.1	0.22	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Magnesium	1600	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Manganese	214	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Nickel	9.64	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Potassium	740	0.22	0.537		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Selenium	U	0.22	0.537		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Silver	U	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Sodium	55.5	0.22	0.537		mg/Kg-dry	1	2/3/2014 12:19:16 PM
Thallium	0.500	0.32	0.537	J	mg/Kg-dry	1	2/3/2014 12:19:16 PM
Vanadium	24.5	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:45:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Zinc	29.2	0.11	0.429		mg/Kg-dry	1	2/3/2014 12:19:16 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
1,2-Dichlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
1,3-Dichlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
1,4-Dichlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2,3,4,6-Tetrachlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2,4,5-Trichlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2,4,6-Trichlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2,4-Dichlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2,4-Dimethylphenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2,4-Dinitrophenol	U	55	550	*	µg/Kg-dry	1	2/3/2014 7:45:00 PM
2,4-Dinitrotoluene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2,6-Dinitrotoluene	U	55	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2-Chloronaphthalene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2-Chlorophenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2-Methylnaphthalene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2-Methylphenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2-Nitroaniline	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
2-Nitrophenol	U	55	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
3,3'-Dichlorobenzidine	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
3+4-Methylphenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
3-Nitroaniline	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
4,6-Dinitro-2-methylphenol	U	55	550	*	µg/Kg-dry	1	2/3/2014 7:45:00 PM
4-Bromophenyl phenyl ether	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
4-Chloro-3-methylphenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
4-Chloroaniline	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
4-Chlorophenyl phenyl ether	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
4-Nitroaniline	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
4-Nitrophenol	U	55	550		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Acenaphthene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Acenaphthylene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:45:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-005B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Aniline	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Anthracene	U	27	270	m	µg/Kg-dry	1	2/3/2014 7:45:00 PM
Atrazine	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Azobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzaldehyde	U	55	550		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzdine	U	55	550		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzo(a)anthracene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzo(a)pyrene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzo(b)fluoranthene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzo(g,h,i)perylene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzo(k)fluoranthene	U	27	270	m	µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzoic acid	U	55	550	*	µg/Kg-dry	1	2/3/2014 7:45:00 PM
Benzyl alcohol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Biphenyl	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Bis(2-chloroethoxy)methane	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Bis(2-chloroethyl)ether	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Bis(2-chloroisopropyl)ether	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Bis(2-ethylhexyl)phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Butyl benzyl phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Caprolactam	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Carbazole	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Chrysene	U	27	270	m	µg/Kg-dry	1	2/3/2014 7:45:00 PM
Dibenzo(a,h)anthracene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Dibenzofuran	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Diethyl phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Dimethyl phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Di-n-butyl phthalate	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Di-n-octyl phthalate	U	55	550		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Fluoranthene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Fluorene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Hexachlorobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Hexachlorobutadiene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (0-2)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:45:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	55	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Hexachloroethane	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Indeno(1,2,3-c,d)pyrene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Isophorone	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Naphthalene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Nitrobenzene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
N-Nitrosodimethylamine	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
N-Nitrosodi-n-propylamine	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
N-Nitrosodiphenylamine	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Parathion	U	55	550		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Pentachlorophenol	U	55	550		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Phenanthrene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Phenol	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Pyrene	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Pyridine	U	27	270		µg/Kg-dry	1	2/3/2014 7:45:00 PM
Surr: 2,4,6-Tribromophenol	94.0	0	11-135		%REC	1	2/3/2014 7:45:00 PM
Surr: 2-Fluorobiphenyl	76.8	0	21-143		%REC	1	2/3/2014 7:45:00 PM
Surr: 2-Fluorophenol	91.6	0	14-122		%REC	1	2/3/2014 7:45:00 PM
Surr: 4-Terphenyl-d14	88.6	0	15-137		%REC	1	2/3/2014 7:45:00 PM
Surr: Nitrobenzene-d5	76.6	0	17-136		%REC	1	2/3/2014 7:45:00 PM
Surr: Phenol-d6	98.0	0	10-116		%REC	1	2/3/2014 7:45:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (3-5)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:48:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-006A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,1,1-Trichloroethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,1,2,2-Tetrachloroethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,1,2-Trichloroethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,1-Dichloroethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,1-Dichloroethene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,1-Dichloropropene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2,3-Trichlorobenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2,3-Trichloropropane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2,4,5-Tetramethylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2,4-Trichlorobenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2,4-Trimethylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2-Dibromo-3-chloropropane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2-Dibromoethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2-Dichlorobenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2-Dichloroethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,2-Dichloropropane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,3,5-Trimethylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,3-Dichlorobenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,3-dichloropropane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,4-Dichlorobenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
1,4-Dioxane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
2,2-Dichloropropane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
2-Butanone	U	5	10		µg/Kg-dry	1	1/30/2014 2:48:00 PM
2-Chloroethyl vinyl ether	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
2-Chlorotoluene	U	1	5.0	*	µg/Kg-dry	1	1/30/2014 2:48:00 PM
2-Hexanone	U	5	10		µg/Kg-dry	1	1/30/2014 2:48:00 PM
2-Propanol	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
4-Chlorotoluene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
4-Isopropyltoluene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
4-Methyl-2-pentanone	U	5	10		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Acetone	4.7	1.3	10	BJ*	µg/Kg-dry	1	1/30/2014 2:48:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (3-5)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:48:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-006A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Bromobenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Bromochloromethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Bromodichloromethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Bromoform	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Bromomethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Carbon disulfide	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Carbon tetrachloride	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Chlorobenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Chlorodifluoromethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Chloroethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Chloroform	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Chloromethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
cis-1,2-Dichloroethene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
cis-1,3-Dichloropropene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Cyclohexane	U	2	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Dibromochloromethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Dibromomethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Dichlorodifluoromethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Diisopropyl ether	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Ethanol	U	10	20		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Ethylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Freon-114	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Hexachlorobutadiene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Isopropylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
m,p-Xylene	U	2	10		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Methyl Acetate	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Methyl tert-butyl ether	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Methylene chloride	9.0	1	5.0	B*	µg/Kg-dry	1	1/30/2014 2:48:00 PM
Naphthalene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
n-Butylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
n-Propylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
o-Xylene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM

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**American Analytical Laboratories, LLC.**

**Date:** 06-Feb-14

**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (3-5)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:48:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-006A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
p-Diethylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
p-Ethyltoluene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
sec-Butylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Styrene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
t-Butyl alcohol	U	2.5	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
tert-Butylbenzene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Tetrachloroethene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Toluene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
trans-1,2-Dichloroethene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
trans-1,3-Dichloropropene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Trichloroethene	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Trichlorofluoromethane	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Vinyl acetate	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Vinyl chloride	U	1	5.0		µg/Kg-dry	1	1/30/2014 2:48:00 PM
Surr: 4-Bromofluorobenzene	97.9	0	56-133		%REC	1	1/30/2014 2:48:00 PM
Surr: Dibromofluoromethane	99.3	0	60-132		%REC	1	1/30/2014 2:48:00 PM
Surr: Toluene-d8	100	0	69-125		%REC	1	1/30/2014 2:48:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (3-5)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:48:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-006B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	U	0.008	0.0123		mg/Kg-dry	1	2/4/2014 2:54:28 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Aroclor 1221	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Aroclor 1232	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Aroclor 1242	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Aroclor 1248	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Aroclor 1254	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Aroclor 1260	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Aroclor 1262	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Aroclor 1268	U	10	20		µg/Kg-dry	1	2/1/2014 5:28:00 PM
Surr: DCB	37.2	0	12-144		%REC	1	2/1/2014 5:28:00 PM
Surr: TCX	88.0	0	13-145		%REC	1	2/1/2014 5:28:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
4,4'-DDE	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
4,4'-DDT	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Aldrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
alpha-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
beta-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Chlordane	U	10	20		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Chlorobenzilate	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
DBCP	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
delta-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Dieldrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Endosulfan I	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Endosulfan II	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Endosulfan sulfate	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Endrin	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Endrin aldehyde	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Endrin ketone	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
gamma-BHC	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (3-5)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:48:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-006B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Heptachlor epoxide	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Hexachlorobenzene	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Hexachlorocyclopentadiene	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Methoxychlor	U	1	2.5		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Toxaphene	U	13	25		µg/Kg-dry	1	2/1/2014 3:39:00 AM
Surr: DCB	97.4	0	16-148		%REC	1	2/1/2014 3:39:00 AM
Surr: TCX	72.9	0	19-145		%REC	1	2/1/2014 3:39:00 AM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	2.2	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	2370	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Antimony	U	0.2	0.499		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Arsenic	0.843	0.2	0.499		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Barium	10.8	0.2	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Beryllium	U	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Cadmium	U	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Calcium	247	0.2	0.499		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Chromium	7.24	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Cobalt	U	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Copper	6.53	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Iron	7490	2	3.99		mg/Kg-dry	10	2/3/2014 12:53:49 PM
Lead	2.17	0.2	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Magnesium	628	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Manganese	160	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Nickel	5.08	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Potassium	294	0.2	0.499		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Selenium	U	0.2	0.499		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Silver	U	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Sodium	19.3	0.2	0.499		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Thallium	U	0.3	0.499		mg/Kg-dry	1	2/3/2014 12:21:18 PM
Vanadium	9.33	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (3-5)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:48:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-006B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
Zinc	8.95	0.1	0.399		mg/Kg-dry	1	2/3/2014 12:21:18 PM
							Analyst: JP
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
							Analyst: MH
1,2,4-Trichlorobenzene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
1,2-Dichlorobenzene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
1,3-Dichlorobenzene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
1,4-Dichlorobenzene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2,3,4,6-Tetrachlorophenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2,4,5-Trichlorophenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2,4,6-Trichlorophenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2,4-Dichlorophenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2,4-Dimethylphenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2,4-Dinitrophenol	U	50.8	510	*	µg/Kg-dry	1	2/5/2014 4:30:00 PM
2,4-Dinitrotoluene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2,6-Dinitrotoluene	U	50.8	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2-Chloronaphthalene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2-Chlorophenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2-Methylnaphthalene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2-Methylphenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2-Nitroaniline	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
2-Nitrophenol	U	50.8	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
3,3'-Dichlorobenzidine	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
3+4-Methylphenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
3-Nitroaniline	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
4,6-Dinitro-2-methylphenol	U	50.8	510	*	µg/Kg-dry	1	2/5/2014 4:30:00 PM
4-Bromophenyl phenyl ether	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
4-Chloro-3-methylphenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
4-Chloroaniline	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
4-Chlorophenyl phenyl ether	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
4-Nitroaniline	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
4-Nitrophenol	U	50.8	510		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Acenaphthene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Acenaphthylene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (3-5)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:48:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-006B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Aniline	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Anthracene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Atrazine	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Azobenzene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzaldehyde	U	50.8	510		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzidine	U	50.8	510	*	µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzo(a)anthracene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzo(a)pyrene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzo(b)fluoranthene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzo(g,h,i)perylene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzo(k)fluoranthene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzoic acid	U	50.8	510	*	µg/Kg-dry	1	2/5/2014 4:30:00 PM
Benzyl alcohol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Biphenyl	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Bis(2-chloroethoxy)methane	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Bis(2-chloroethyl)ether	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Bis(2-chloroisopropyl)ether	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Bis(2-ethylhexyl)phthalate	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Butyl benzyl phthalate	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Caprolactam	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Carbazole	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Chrysene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Dibenzo(a,h)anthracene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Dibenzofuran	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Diethyl phthalate	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Dimethyl phthalate	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Di-n-butyl phthalate	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Di-n-octyl phthalate	U	50.8	510		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Fluoranthene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Fluorene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Hexachlorobenzene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Hexachlorobutadiene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-5 (3-5)
<b>Lab Order:</b>	1401119	<b>Collection Date:</b>	1/29/2014 11:48:00 AM
<b>Project:</b>	Liberty Ave., 102- 14/16 Ozone Park, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401119-006B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	50.8	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Hexachloroethane	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Indeno(1,2,3-c,d)pyrene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Isophorone	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Naphthalene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Nitrobenzene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
N-Nitrosodimethylamine	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
N-Nitrosodi-n-propylamine	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
N-Nitrosodiphenylamine	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Parathion	U	50.8	510		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Pentachlorophenol	U	50.8	510		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Phenanthrene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Phenol	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Pyrene	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Pyridine	U	25.4	250		µg/Kg-dry	1	2/5/2014 4:30:00 PM
Surr: 2,4,6-Tribromophenol	30.6	0	11-135		%REC	1	2/4/2014 7:18:00 PM
Surr: 2,4,6-Tribromophenol	81.8	0	11-135		%REC	1	2/5/2014 4:30:00 PM
Surr: 2-Fluorobiphenyl	73.4	0	21-143		%REC	1	2/5/2014 4:30:00 PM
Surr: 2-Fluorobiphenyl	3.24	0	21-143	S	%REC	1	2/4/2014 7:18:00 PM
Surr: 2-Fluorophenol	93.1	0	14-122		%REC	1	2/5/2014 4:30:00 PM
Surr: 2-Fluorophenol	31.9	0	14-122		%REC	1	2/4/2014 7:18:00 PM
Surr: 4-Terphenyl-d14	69.1	0	15-137		%REC	1	2/5/2014 4:30:00 PM
Surr: 4-Terphenyl-d14	12.5	0	15-137	S	%REC	1	2/4/2014 7:18:00 PM
Surr: Nitrobenzene-d5	20.7	0	17-136		%REC	1	2/4/2014 7:18:00 PM
Surr: Nitrobenzene-d5	69.0	0	17-136		%REC	1	2/5/2014 4:30:00 PM
Surr: Phenol-d6	38.9	0	10-116		%REC	1	2/4/2014 7:18:00 PM
Surr: Phenol-d6	92.9	0	10-116		%REC	1	2/5/2014 4:30:00 PM





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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8081\_S

Sample ID	MB-202	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	1/30/2014	RunNo:	305
Client ID:	PBS	Batch ID:	202	TestNo:	SW8081B	SW3546		Analysis Date:	2/1/2014	SeqNo:	5717
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	U	2.5									
4,4'-DDE	U	2.5									
4,4'-DDT	U	2.5									
Aldrin	U	2.5									
alpha-BHC	U	2.5									
beta-BHC	U	2.5									
Chlordane	U	20									
Chlorobenzilate	U	2.5									
DBCP	U	2.5									
delta-BHC	U	2.5									
Dieldrin	U	2.5									
Endosulfan I	U	2.5									
Endosulfan II	U	2.5									
Endosulfan sulfate	U	2.5									
Endrin	U	2.5									
Endrin aldehyde	U	2.5									
Endrin ketone	U	2.5									
gamma-BHC	U	2.5									
Heptachlor	U	2.5									
Heptachlor epoxide	U	2.5									
Hexachlorobenzene	U	2.5									
Hexachlorocyclopentadiene	U	2.5									
Methoxychlor	U	2.5									
Toxaphene	U	25									
Surr: DCB	18		24.81		72.0	16	148				
Surr: TCX	15		24.81		62.3	19	145				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8081\_S

Sample ID	<b>MB-202</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8081_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>1/30/2014</b>	RunNo:	<b>305</b>			
Client ID:	<b>PBS</b>	Batch ID:	<b>202</b>	TestNo:	<b>SW8081B</b>	<b>SW3546</b>		Analysis Date:	<b>2/1/2014</b>	SeqNo:	<b>5717</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	<b>LCS-202</b>	SampType:	<b>LCS</b>	TestCode:	<b>8081_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>1/30/2014</b>	RunNo:	<b>305</b>			
Client ID:	<b>LCSS</b>	Batch ID:	<b>202</b>	TestNo:	<b>SW8081B</b>	<b>SW3546</b>		Analysis Date:	<b>2/1/2014</b>	SeqNo:	<b>5718</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD		3.4		2.4	9.671	0		35.6	23	144				
4,4'-DDE		5.0		2.4	9.671	0		51.9	27	146				
4,4'-DDT		6.2		2.4	9.671	0		64.5	24	148				
Aldrin		6.1		2.4	9.671	0		63.6	28	144				
alpha-BHC		6.0		2.4	9.671	0		61.9	28	142				
beta-BHC		8.4		2.4	9.671	0		86.7	27	147				
delta-BHC		6.2		2.4	9.671	0		63.9	20	138				
Dieldrin		5.5		2.4	9.671	0		57.3	30	141				
Endosulfan I		5.4		2.4	9.671	0		56.2	23	137				
Endosulfan II		5.1		2.4	9.671	0		52.4	20	139				
Endosulfan sulfate		7.2		2.4	9.671	0		74.4	27	146				
Endrin		5.8		2.4	9.671	0		59.5	24	148				
Endrin aldehyde		5.8		2.4	9.671	0		59.6	24	147				
Endrin ketone		4.8		2.4	9.671	0		50.1	21	145				
gamma-BHC		5.3		2.4	9.671	0		55.0	21	149				
Heptachlor		6.4		2.4	9.671	0		65.8	20	149				
Heptachlor epoxide		7.5		2.4	9.671	0		77.4	21	149				
Methoxychlor		6.4		2.4	9.671	0		66.3	29	147				
Surr: DCB		11			24.18			45.4	16	148				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8081\_S

Sample ID	<b>LCS-202</b>	SampType:	<b>LCS</b>	TestCode:	<b>8081_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>1/30/2014</b>	RunNo:	<b>305</b>												
Client ID:	<b>LCSS</b>	Batch ID:	<b>202</b>	TestNo:	<b>SW8081B</b>		<b>SW3546</b>	Analysis Date:	<b>2/1/2014</b>	SeqNo:	<b>5718</b>												
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual	
Surr:	TCX		9.6			24.18				39.7		19		145									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8082\_S

Sample ID	MB-201	SampType:	MBLK	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	1/30/2014	RunNo:	304
Client ID:	PBS	Batch ID:	201	TestNo:	SW8082A	SW3546		Analysis Date:	2/1/2014	SeqNo:	5703
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	19									
Aroclor 1221	U	19									
Aroclor 1232	U	19									
Aroclor 1242	U	19									
Aroclor 1248	U	19									
Aroclor 1254	U	19									
Aroclor 1260	U	19									
Aroclor 1262	U	19									
Aroclor 1268	U	19									
Surr: DCB	16		24.18		65.3	12	144				
Surr: TCX	16		24.18		68.1	13	145				

Sample ID	LCS-201	SampType:	LCS	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	1/30/2014	RunNo:	304
Client ID:	LCSS	Batch ID:	201	TestNo:	SW8082A	SW3546		Analysis Date:	2/1/2014	SeqNo:	5704
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	170	20	248.8	0	70.0	35	135				
Surr: DCB	17		24.88		67.2	12	144				
Surr: TCX	17		24.88		69.9	13	145				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8260\_S

Sample ID	LCS-194	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 1/30/2014	RunNo: 325					
Client ID: LCSS	Batch ID: 194b	TestNo: SW8260C	Analysis Date: 1/30/2014	SeqNo: 5946							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51	5.0	50.00	0	101	40	125				
1,1,2,2-Tetrachloroethane	47	5.0	50.00	0	94.6	35	139				
1,1,2-Trichloroethane	46	5.0	50.00	0	92.3	40	124				
1,1-Dichloroethane	47	5.0	50.00	0	95.0	33	134				
1,1-Dichloroethene	51	5.0	50.00	0	101	30	141				
1,2-Dichlorobenzene	48	5.0	50.00	0	95.1	33	126				
1,2-Dichloroethane	46	5.0	50.00	0	92.5	36	131				
1,2-Dichloropropane	47	5.0	50.00	0	93.3	38	131				
1,3-Dichlorobenzene	50	5.0	50.00	0	101	31	130				
1,4-Dichlorobenzene	50	5.0	50.00	0	99.6	33	121				
2-Chloroethyl vinyl ether	36	5.0	50.00	0	71.3	36	138				*
Benzene	47	5.0	50.00	0	94.2	36	126				
Bromodichloromethane	46	5.0	50.00	0	92.5	38	125				
Bromoform	49	5.0	50.00	0	98.0	36	131				
Bromomethane	30	5.0	50.00	0	59.4	23	135				
Carbon tetrachloride	52	5.0	50.00	0	104	37	130				
Chlorobenzene	49	5.0	50.00	0	97.8	41	123				
Chloroethane	55	5.0	50.00	0	110	20	128				
Chloroform	49	5.0	50.00	0	97.5	39	125				
Chloromethane	57	5.0	50.00	0	114	33	143				
cis-1,3-Dichloropropene	44	5.0	50.00	0	87.4	34	125				
Dibromochloromethane	50	5.0	50.00	0	99.4	36	125				
Ethylbenzene	49	5.0	50.00	0	98.6	42	124				
Methylene chloride	26	5.0	50.00	0	51.1	33	135				B*
Tetrachloroethene	41	5.0	50.00	0	81.6	30	121				
Toluene	48	5.0	50.00	0	96.9	43	121				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8260\_S

Sample ID	<b>LCS-194</b>	SampType: <b>LCS</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/30/2014</b>	RunNo: <b>325</b>					
Client ID:	<b>LCSS</b>	Batch ID: <b>194b</b>	TestNo: <b>SW8260C</b>	Analysis Date: <b>1/30/2014</b>	SeqNo: <b>5946</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	48	5.0	50.00	0	96.3	32	124				
trans-1,3-Dichloropropene	46	5.0	50.00	0	92.5	33	120				
Trichloroethene	49	5.0	50.00	0	98.0	40	124				
Trichlorofluoromethane	60	5.0	50.00	0	121	35	140				
Vinyl chloride	63	5.0	50.00	0	127	40	146				
Surr: 4-Bromofluorobenzene	49		50.00		97.3	56	133				
Surr: Dibromofluoromethane	51		50.00		101	60	132				
Surr: Toluene-d8	50		50.00		100	69	125				

Sample ID	<b>MB-194</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/30/2014</b>	RunNo: <b>325</b>					
Client ID:	<b>PBS</b>	Batch ID: <b>194b</b>	TestNo: <b>SW8260C</b>	Analysis Date: <b>1/30/2014</b>	SeqNo: <b>5947</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8260\_S

Sample ID	MB-194	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	1/30/2014	RunNo:	325
Client ID:	PBS	Batch ID:	194b	TestNo:	SW8260C	Analysis Date:	1/30/2014	SeqNo:	5947		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
1,4-Dioxane	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	10									
2-Chloroethyl vinyl ether	U	5.0									*
2-Chlorotoluene	U	5.0									
2-Hexanone	U	10									
2-Propanol	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	10									
Acetone	12	10									*
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									

**Qualifiers:** R RPD outside accepted recovery limits

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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8260\_S

Sample ID <b>MB-194</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/30/2014</b>	RunNo: <b>325</b>						
Client ID: <b>PBS</b>	Batch ID: <b>194b</b>	TestNo: <b>SW8260C</b>		Analysis Date: <b>1/30/2014</b>	SeqNo: <b>5947</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Cyclohexane	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	20									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl Acetate	U	5.0									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	6.9	5.0									*
Naphthalene	U	5.0									

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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8260\_S

Sample ID <b>MB-194</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/30/2014</b>	RunNo: <b>325</b>						
Client ID: <b>PBS</b>	Batch ID: <b>194b</b>	TestNo: <b>SW8260C</b>		Analysis Date: <b>1/30/2014</b>	SeqNo: <b>5947</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									
Surr: 4-Bromofluorobenzene	50		50.00		101	56	133				
Surr: Dibromofluoromethane	50		50.00		100	60	132				
Surr: Toluene-d8	50		50.00		101	69	125				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8260\_S

Sample ID	1401119-006AMS	SampType:	MS	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	1/30/2014	RunNo:	325
Client ID:	B-5 (3-5)	Batch ID:	194b	TestNo:	SW8260C	Analysis Date:	1/30/2014	SeqNo:	5954		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51	5.0	50.20	0	102	26	108				
1,1,2,2-Tetrachloroethane	41	5.0	50.20	0	82.1	18	109				
1,1,2-Trichloroethane	42	5.0	50.20	0	84.5	21	105				
1,1-Dichloroethane	48	5.0	50.20	0	95.2	28	108				
1,1-Dichloroethene	51	5.0	50.20	0	102	24	110				
1,2-Dichlorobenzene	46	5.0	50.20	0	90.9	18	108				
1,2-Dichloroethane	44	5.0	50.20	0	87.8	21	105				
1,2-Dichloropropane	45	5.0	50.20	0	90.5	29	107				
1,3-Dichlorobenzene	49	5.0	50.20	0	98.0	20	115				
1,4-Dichlorobenzene	48	5.0	50.20	0	96.0	21	117				
2-Chloroethyl vinyl ether	29	5.0	50.20	0	57.7	18	113				
Benzene	48	5.0	50.20	0	95.6	30	103				
Bromodichloromethane	45	5.0	50.20	0	89.8	22	106				
Bromoform	43	5.0	50.20	0	84.8	20	113				
Bromomethane	32	5.0	50.20	0	63.1	20	130				
Carbon tetrachloride	53	5.0	50.20	0	105	23	111				
Chlorobenzene	48	5.0	50.20	0	95.6	27	117				
Chloroethane	54	5.0	50.20	0	108	30	130				
Chloroform	50	5.0	50.20	0	99.0	24	112				
Chloromethane	57	5.0	50.20	0	113	21	130				
cis-1,3-Dichloropropene	42	5.0	50.20	0	83.0	20	104				
Dibromochloromethane	46	5.0	50.20	0	91.1	22	104				
Ethylbenzene	49	5.0	50.20	0	97.3	30	115				
Methylene chloride	26	5.0	50.20	9.031	34.5	22	104				B*
Tetrachloroethene	41	5.0	50.20	0	81.7	20	103				
Toluene	49	5.0	50.20	0	97.0	20	115				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8260\_S

Sample ID	<b>1401119-006AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>1/30/2014</b>	RunNo: <b>325</b>					
Client ID:	<b>B-5 (3-5)</b>	Batch ID: <b>194b</b>	TestNo: <b>SW8260C</b>	Analysis Date: <b>1/30/2014</b>	SeqNo: <b>5954</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	48	5.0	50.20	0	96.3	23	107				
trans-1,3-Dichloropropene	43	5.0	50.20	0	85.1	20	105				
Trichloroethene	49	5.0	50.20	0	96.7	22	138				
Trichlorofluoromethane	61	5.0	50.20	0	121	22	131				
Vinyl chloride	63	5.0	50.20	0	126	30	130				
Surr: 4-Bromofluorobenzene	48		50.20		96.2	56	133				
Surr: Dibromofluoromethane	51		50.20		101	60	132				
Surr: Toluene-d8	51		50.20		101	69	125				

Sample ID	<b>1401119-006AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>1/30/2014</b>	RunNo: <b>325</b>					
Client ID:	<b>B-5 (3-5)</b>	Batch ID: <b>194b</b>	TestNo: <b>SW8260C</b>	Analysis Date: <b>1/30/2014</b>	SeqNo: <b>5955</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51	5.1	51.10	0	100	26	108	51.41	0.528	20	
1,1,1,2-Tetrachloroethane	41	5.1	51.10	0	80.0	18	109	41.23	0.881	20	
1,1,2-Trichloroethane	43	5.1	51.10	0	83.3	21	105	42.40	0.401	20	
1,1-Dichloroethane	47	5.1	51.10	0	92.3	28	108	47.79	1.33	20	
1,1-Dichloroethene	51	5.1	51.10	0	99.4	24	110	51.19	0.819	20	
1,2-Dichlorobenzene	45	5.1	51.10	0	88.7	18	108	45.65	0.733	20	
1,2-Dichloroethane	43	5.1	51.10	0	85.0	21	105	44.07	1.41	20	
1,2-Dichloropropane	46	5.1	51.10	0	89.9	29	107	45.42	1.14	20	
1,3-Dichlorobenzene	49	5.1	51.10	0	95.3	20	115	49.20	1.01	20	
1,4-Dichlorobenzene	48	5.1	51.10	0	94.6	21	117	48.17	0.357	20	
2-Chloroethyl vinyl ether	29	5.1	51.10	0	56.2	18	113	28.95	0.781	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8260\_S

Sample ID	1401119-006AMSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg-dry	Prep Date: 1/30/2014	RunNo: 325					
Client ID:	B-5 (3-5)	Batch ID: 194b	TestNo: SW8260C	Analysis Date: 1/30/2014	SeqNo: 5955						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47	5.1	51.10	0	92.8	30	103	47.97	1.10	20	
Bromodichloromethane	45	5.1	51.10	0	87.6	22	106	45.06	0.629	20	
Bromoform	42	5.1	51.10	0	83.2	20	113	42.57	0.169	20	
Bromomethane	33	5.1	51.10	0	64.7	20	130	31.70	4.25	20	
Carbon tetrachloride	52	5.1	51.10	0	102	23	111	52.60	0.768	20	
Chlorobenzene	48	5.1	51.10	0	93.6	27	117	48.01	0.372	20	
Chloroethane	53	5.1	51.10	0	104	30	130	54.36	2.04	20	
Chloroform	49	5.1	51.10	0	95.7	24	112	49.69	1.63	20	
Chloromethane	57	5.1	51.10	0	112	21	130	56.85	0.844	20	
cis-1,3-Dichloropropene	42	5.1	51.10	0	81.4	20	104	41.68	0.211	20	
Dibromochloromethane	46	5.1	51.10	0	90.7	22	104	45.71	1.34	20	
Ethylbenzene	48	5.1	51.10	0	94.7	30	115	48.86	0.987	20	
Methylene chloride	27	5.1	51.10	9.031	34.9	22	104	26.36	1.86	20	B*
Tetrachloroethene	42	5.1	51.10	0	81.3	20	103	41.00	1.32	20	
Toluene	49	5.1	51.10	0	95.6	20	115	48.68	0.330	20	
trans-1,2-Dichloroethene	49	5.1	51.10	0	96.3	23	107	48.32	1.80	20	
trans-1,3-Dichloropropene	43	5.1	51.10	0	83.8	20	105	42.71	0.316	20	
Trichloroethene	49	5.1	51.10	0	95.6	22	138	48.54	0.661	20	
Trichlorofluoromethane	60	5.1	51.10	0	117	22	131	60.51	0.804	20	
Vinyl chloride	64	5.1	51.10	0	126	30	130	63.45	1.61	20	
Surr: 4-Bromofluorobenzene	50		51.10		98.0	56	133		0	0	
Surr: Dibromofluoromethane	52		51.10		102	60	132		0	0	
Surr: Toluene-d8	52		51.10		102	69	125		0	0	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-207</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>315</b>						
Client ID: <b>PBS</b>	Batch ID: <b>207</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/3/2014</b>	SeqNo: <b>5831</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	240									
1,2-Dichlorobenzene	U	240									
1,3-Dichlorobenzene	U	240									
1,4-Dichlorobenzene	U	240									
2,3,4,6-Tetrachlorophenol	U	240									
2,4,5-Trichlorophenol	U	240									
2,4,6-Trichlorophenol	U	240									
2,4-Dichlorophenol	U	240									
2,4-Dimethylphenol	U	240									
2,4-Dinitrophenol	U	490									*
2,4-Dinitrotoluene	U	240									
2,6-Dinitrotoluene	U	240									
2-Chloronaphthalene	U	240									
2-Chlorophenol	U	240									
2-Methylnaphthalene	U	240									
2-Methylphenol	U	240									
2-Nitroaniline	U	240									
2-Nitrophenol	U	240									
3,3'-Dichlorobenzidine	U	240									
3+4-Methylphenol	U	240									
3-Nitroaniline	U	240									
4,6-Dinitro-2-methylphenol	U	490									*
4-Bromophenyl phenyl ether	U	240									
4-Chloro-3-methylphenol	U	240									
4-Chloroaniline	U	240									
4-Chlorophenyl phenyl ether	U	240									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
 56 Toledo Street  
 Farmingdale, New York 11735  
 TEL: (631) 454-6100 FAX: (631) 454-8027  
 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	MB-207	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	1/31/2014	RunNo:	315
Client ID:	PBS	Batch ID:	207	TestNo:	SW8270D	SW3546		Analysis Date:	2/3/2014	SeqNo:	5831
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	U	240									
4-Nitrophenol	U	490									
Acenaphthene	U	240									
Acenaphthylene	U	240									
Acetophenone	U	240									
Aniline	U	240									
Anthracene	U	240									
Atrazine	U	240									
Azobenzene	U	240									
Benzaldehyde	U	490									
Benzidine	U	490									*
Benzo(a)anthracene	U	240									
Benzo(a)pyrene	U	240									
Benzo(b)fluoranthene	U	240									
Benzo(g,h,i)perylene	U	240									
Benzo(k)fluoranthene	U	240									
Benzoic acid	U	490									*
Benzyl alcohol	U	240									
Biphenyl	U	240									
Bis(2-chloroethoxy)methane	U	240									
Bis(2-chloroethyl)ether	U	240									
Bis(2-chloroisopropyl)ether	U	240									
Bis(2-ethylhexyl)phthalate	U	240									
Butyl benzyl phthalate	U	240									
Caprolactam	U	240									
Carbazole	U	240									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	MB-207	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	1/31/2014	RunNo:	315
Client ID:	PBS	Batch ID:	207	TestNo:	SW8270D	SW3546		Analysis Date:	2/3/2014	SeqNo:	5831
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	U	240									
Dibenzo(a,h)anthracene	U	240									
Dibenzofuran	U	240									
Diethyl phthalate	U	240									
Dimethyl phthalate	U	240									
Di-n-butyl phthalate	U	240									
Di-n-octyl phthalate	U	490									
Fluoranthene	U	240									
Fluorene	U	240									
Hexachlorobenzene	U	240									
Hexachlorobutadiene	U	240									
Hexachlorocyclopentadiene	U	240									
Hexachloroethane	U	240									
Indeno(1,2,3-c,d)pyrene	U	240									
Isophorone	U	240									
Naphthalene	U	240									
Nitrobenzene	U	240									
N-Nitrosodimethylamine	U	240									
N-Nitrosodi-n-propylamine	U	240									
N-Nitrosodiphenylamine	U	240									
Parathion	U	490									
Pentachlorophenol	U	490									
Phenanthrene	U	240									
Phenol	U	240									
Pyrene	U	240									
Pyridine	U	240									

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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-207</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>315</b>						
Client ID: <b>PBS</b>	Batch ID: <b>207</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/3/2014</b>	SeqNo: <b>5831</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1700		1946		87.0	11	135				
Surr: 2-Fluorobiphenyl	820		972.8		84.4	21	143				
Surr: 2-Fluorophenol	2000		1946		105	14	122				
Surr: 4-Terphenyl-d14	880		972.8		90.8	15	137				
Surr: Nitrobenzene-d5	860		972.8		88.2	17	136				
Surr: Phenol-d6	2100		1946		110	10	116				

Sample ID <b>LCS-207</b>	SampType: <b>LCS</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>315</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>207</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/3/2014</b>	SeqNo: <b>5832</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	810	250	1987	0	40.9	30	125				
1,2-Dichlorobenzene	890	250	1987	0	44.6	24	122				
1,3-Dichlorobenzene	870	250	1987	0	43.9	25	125				
1,4-Dichlorobenzene	870	250	1987	0	44.0	23	121				
2,4,6-Trichlorophenol	820	250	1987	0	41.2	25	130				
2,4-Dichlorophenol	840	250	1987	0	42.1	31	125				
2,4-Dimethylphenol	210	250	1987	0	10.8	17	132				JS
2,4-Dinitrophenol	600	500	1987	0	30.1	1	116				*
2,4-Dinitrotoluene	840	250	1987	0	42.1	30	134				
2,6-Dinitrotoluene	780	250	1987	0	39.3	35	125				
2-Chloronaphthalene	850	250	1987	0	42.6	30	130				
2-Chlorophenol	900	250	1987	0	45.5	32	134				
2-Nitrophenol	850	250	1987	0	42.6	16	146				

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S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	LCS-207	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 1/31/2014	RunNo: 315					
Client ID: LCSS	Batch ID: 207	TestNo: SW8270D	SW3546	Analysis Date: 2/3/2014	SeqNo: 5832						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	780	500	1987	0	39.1	11	141				*
4-Bromophenyl phenyl ether	850	250	1987	0	42.6	35	135				
4-Chloro-3-methylphenol	900	250	1987	0	45.2	19	139				
4-Chlorophenyl phenyl ether	890	250	1987	0	44.8	30	128				
4-Nitrophenol	900	500	1987	0	45.5	17	140				
Acenaphthene	850	250	1987	0	42.6	25	137				
Acenaphthylene	840	250	1987	0	42.3	23	136				
Anthracene	850	250	1987	0	42.8	23	150				
Benzo(a)anthracene	870	250	1987	0	43.9	31	140				
Benzo(a)pyrene	830	250	1987	0	41.7	36	136				
Benzo(b)fluoranthene	890	250	1987	0	45.0	30	140				m
Benzo(g,h,i)perylene	860	250	1987	0	43.4	21	143				
Benzo(k)fluoranthene	810	250	1987	0	40.9	30	140				
Bis(2-chloroethoxy)methane	790	250	1987	0	39.6	18	110				
Bis(2-chloroethyl)ether	870	250	1987	0	43.9	30	131				
Bis(2-chloroisopropyl)ether	840	250	1987	0	42.2	34	124				
Bis(2-ethylhexyl)phthalate	810	250	1987	0	40.8	35	137				
Butyl benzyl phthalate	850	250	1987	0	42.6	34	140				
Chrysene	870	250	1987	0	44.0	31	133				
Dibenzo(a,h)anthracene	840	250	1987	0	42.5	24	145				
Diethyl phthalate	870	250	1987	0	43.9	35	130				
Dimethyl phthalate	850	250	1987	0	42.9	32	130				
Di-n-butyl phthalate	850	250	1987	0	43.0	35	131				
Di-n-octyl phthalate	820	500	1987	0	41.2	37	143				
Fluoranthene	920	250	1987	0	46.2	21	139				
Fluorene	890	250	1987	0	44.8	30	130				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	LCS-207	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 1/31/2014	RunNo: 315					
Client ID: LCSS	Batch ID: 207	TestNo: SW8270D	SW3546	Analysis Date: 2/3/2014	SeqNo: 5832						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	890	250	1987	0	44.6	30	130				
Hexachlorobutadiene	880	250	1987	0	44.3	30	125				
Hexachlorocyclopentadiene	700	250	1987	0	35.3	12	126				
Hexachloroethane	950	250	1987	0	47.6	30	125				
Indeno(1,2,3-c,d)pyrene	880	250	1987	0	44.3	28	141				
Isophorone	830	250	1987	0	41.6	30	125				
Naphthalene	820	250	1987	0	41.5	27	131				
Nitrobenzene	820	250	1987	0	41.1	35	125				
N-Nitrosodimethylamine	760	250	1987	0	38.4	10	123				
N-Nitrosodi-n-propylamine	890	250	1987	0	44.6	39	125				
N-Nitrosodiphenylamine	390	250	1987	0	19.7	21	103				S
Pentachlorophenol	940	500	1987	0	47.5	10	132				
Phenanthrene	850	250	1987	0	42.9	35	130				
Phenol	870	250	1987	0	43.7	20	135				
Pyrene	860	250	1987	0	43.2	30	152				
Surr: 2,4,6-Tribromophenol	1700		1987		83.6	11	135				
Surr: 2-Fluorobiphenyl	830		993.5		83.2	21	143				
Surr: 2-Fluorophenol	1700		1987		85.5	14	122				
Surr: 4-Terphenyl-d14	840		993.5		84.7	15	137				
Surr: Nitrobenzene-d5	850		993.5		85.2	17	136				
Surr: Phenol-d6	1800		1987		89.8	10	116				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-207</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>207</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/3/2014</b>	SeqNo: <b>5890</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	240									
1,2-Dichlorobenzene	U	240									
1,3-Dichlorobenzene	U	240									
1,4-Dichlorobenzene	U	240									
2,3,4,6-Tetrachlorophenol	U	240									
2,4,5-Trichlorophenol	U	240									
2,4,6-Trichlorophenol	U	240									
2,4-Dichlorophenol	U	240									
2,4-Dimethylphenol	U	240									
2,4-Dinitrophenol	U	490									*
2,4-Dinitrotoluene	U	240									
2,6-Dinitrotoluene	U	240									
2-Chloronaphthalene	U	240									
2-Chlorophenol	U	240									
2-Methylnaphthalene	U	240									
2-Methylphenol	U	240									
2-Nitroaniline	U	240									
2-Nitrophenol	U	240									
3,3'-Dichlorobenzidine	U	240									
3+4-Methylphenol	U	240									
3-Nitroaniline	U	240									
4,6-Dinitro-2-methylphenol	U	490									*
4-Bromophenyl phenyl ether	U	240									
4-Chloro-3-methylphenol	U	240									
4-Chloroaniline	U	240									
4-Chlorophenyl phenyl ether	U	240									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	MB-207	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	1/31/2014	RunNo:	320
Client ID:	PBS	Batch ID:	207	TestNo:	SW8270D	SW3546		Analysis Date:	2/3/2014	SeqNo:	5890
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	U	240									
4-Nitrophenol	U	490									
Acenaphthene	U	240									
Acenaphthylene	U	240									
Acetophenone	U	240									
Aniline	U	240									
Anthracene	U	240									
Atrazine	U	240									
Azobenzene	U	240									
Benzaldehyde	U	490									
Benzidine	U	490									*
Benzo(a)anthracene	U	240									
Benzo(a)pyrene	U	240									
Benzo(b)fluoranthene	U	240									
Benzo(g,h,i)perylene	U	240									
Benzo(k)fluoranthene	U	240									
Benzoic acid	U	490									*
Benzyl alcohol	U	240									
Biphenyl	U	240									
Bis(2-chloroethoxy)methane	U	240									
Bis(2-chloroethyl)ether	U	240									
Bis(2-chloroisopropyl)ether	U	240									
Bis(2-ethylhexyl)phthalate	U	240									
Butyl benzyl phthalate	U	240									
Caprolactam	U	240									
Carbazole	U	240									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-207</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>207</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/3/2014</b>	SeqNo: <b>5890</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	U	240									
Dibenzo(a,h)anthracene	U	240									
Dibenzofuran	U	240									
Diethyl phthalate	U	240									
Dimethyl phthalate	U	240									
Di-n-butyl phthalate	U	240									
Di-n-octyl phthalate	U	490									
Fluoranthene	U	240									
Fluorene	U	240									
Hexachlorobenzene	U	240									
Hexachlorobutadiene	U	240									
Hexachlorocyclopentadiene	U	240									
Hexachloroethane	U	240									
Indeno(1,2,3-c,d)pyrene	U	240									
Isophorone	U	240									
Naphthalene	U	240									
Nitrobenzene	U	240									
N-Nitrosodimethylamine	U	240									
N-Nitrosodi-n-propylamine	U	240									
N-Nitrosodiphenylamine	U	240									
Parathion	U	490									
Pentachlorophenol	U	490									
Phenanthrene	U	240									
Phenol	U	240									
Pyrene	U	240									
Pyridine	U	240									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-207</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>207</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/3/2014</b>	SeqNo: <b>5890</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1700		1946		87.0	11	135				
Surr: 2-Fluorobiphenyl	820		972.8		84.4	21	143				
Surr: 2-Fluorophenol	2000		1946		105	14	122				
Surr: 4-Terphenyl-d14	880		972.8		90.8	15	137				
Surr: Nitrobenzene-d5	860		972.8		88.2	17	136				
Surr: Phenol-d6	2100		1946		110	10	116				

Sample ID <b>LCS-207</b>	SampType: <b>LCS</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>320</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>207</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/3/2014</b>	SeqNo: <b>5891</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	810	250	1987	0	40.9	30	125				
1,2-Dichlorobenzene	890	250	1987	0	44.6	24	122				
1,3-Dichlorobenzene	870	250	1987	0	43.9	25	125				
1,4-Dichlorobenzene	870	250	1987	0	44.0	23	121				
2,4,6-Trichlorophenol	820	250	1987	0	41.2	25	130				
2,4-Dichlorophenol	840	250	1987	0	42.1	31	125				
2,4-Dimethylphenol	210	250	1987	0	10.8	17	132				JS
2,4-Dinitrophenol	600	500	1987	0	30.1	1	116				*
2,4-Dinitrotoluene	840	250	1987	0	42.1	30	134				
2,6-Dinitrotoluene	780	250	1987	0	39.3	35	125				
2-Chloronaphthalene	850	250	1987	0	42.6	30	130				
2-Chlorophenol	900	250	1987	0	45.5	32	134				
2-Nitrophenol	850	250	1987	0	42.6	16	146				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	LCS-207	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 1/31/2014	RunNo: 320					
Client ID: LCSS	Batch ID: 207	TestNo: SW8270D	SW3546	Analysis Date: 2/3/2014	SeqNo: 5891						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	780	500	1987	0	39.1	11	141				*
4-Bromophenyl phenyl ether	850	250	1987	0	42.6	35	135				
4-Chloro-3-methylphenol	900	250	1987	0	45.2	19	139				
4-Chlorophenyl phenyl ether	890	250	1987	0	44.8	30	128				
4-Nitrophenol	900	500	1987	0	45.5	17	140				
Acenaphthene	850	250	1987	0	42.6	25	137				
Acenaphthylene	840	250	1987	0	42.3	23	136				
Anthracene	850	250	1987	0	42.8	23	150				
Benzo(a)anthracene	870	250	1987	0	43.9	31	140				
Benzo(a)pyrene	830	250	1987	0	41.7	36	136				
Benzo(b)fluoranthene	890	250	1987	0	45.0	30	140				m
Benzo(g,h,i)perylene	860	250	1987	0	43.4	21	143				
Benzo(k)fluoranthene	810	250	1987	0	40.9	30	140				
Bis(2-chloroethoxy)methane	790	250	1987	0	39.6	18	110				
Bis(2-chloroethyl)ether	870	250	1987	0	43.9	30	131				
Bis(2-chloroisopropyl)ether	840	250	1987	0	42.2	34	124				
Bis(2-ethylhexyl)phthalate	810	250	1987	0	40.8	35	137				
Butyl benzyl phthalate	850	250	1987	0	42.6	34	140				
Chrysene	870	250	1987	0	44.0	31	133				
Dibenzo(a,h)anthracene	840	250	1987	0	42.5	24	145				
Diethyl phthalate	870	250	1987	0	43.9	35	130				
Dimethyl phthalate	850	250	1987	0	42.9	32	130				
Di-n-butyl phthalate	850	250	1987	0	43.0	35	131				
Di-n-octyl phthalate	820	500	1987	0	41.2	37	143				
Fluoranthene	920	250	1987	0	46.2	21	139				
Fluorene	890	250	1987	0	44.8	30	130				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	LCS-207	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 1/31/2014	RunNo: 320					
Client ID: LCSS	Batch ID: 207	TestNo: SW8270D	SW3546	Analysis Date: 2/3/2014	SeqNo: 5891						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	890	250	1987	0	44.6	30	130				
Hexachlorobutadiene	880	250	1987	0	44.3	30	125				
Hexachlorocyclopentadiene	700	250	1987	0	35.3	12	126				
Hexachloroethane	950	250	1987	0	47.6	30	125				
Indeno(1,2,3-c,d)pyrene	880	250	1987	0	44.3	28	141				
Isophorone	830	250	1987	0	41.6	30	125				
Naphthalene	820	250	1987	0	41.5	27	131				
Nitrobenzene	820	250	1987	0	41.1	35	125				
N-Nitrosodimethylamine	760	250	1987	0	38.4	10	123				
N-Nitrosodi-n-propylamine	890	250	1987	0	44.6	39	125				
N-Nitrosodiphenylamine	390	250	1987	0	19.7	21	103				S
Pentachlorophenol	940	500	1987	0	47.5	10	132				
Phenanthrene	850	250	1987	0	42.9	35	130				
Phenol	870	250	1987	0	43.7	20	135				
Pyrene	860	250	1987	0	43.2	30	152				
Surr: 2,4,6-Tribromophenol	1700		1987		83.6	11	135				
Surr: 2-Fluorobiphenyl	830		993.5		83.2	21	143				
Surr: 2-Fluorophenol	1700		1987		85.5	14	122				
Surr: 4-Terphenyl-d14	840		993.5		84.7	15	137				
Surr: Nitrobenzene-d5	850		993.5		85.2	17	136				
Surr: Phenol-d6	1800		1987		89.8	10	116				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401119-005B	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	1/31/2014	RunNo:	320
Client ID:	B-5 (0-2)	Batch ID:	207	TestNo:	SW8270D	SW3546		Analysis Date:	2/3/2014	SeqNo:	5909
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	900	270	2191	0	41.3	21	128				
1,2-Dichlorobenzene	950	270	2191	0	43.5	20	129				
1,3-Dichlorobenzene	890	270	2191	0	40.6	19	122				
1,4-Dichlorobenzene	900	270	2191	0	41.2	22	127				
2,4,6-Trichlorophenol	990	270	2191	0	45.2	20	126				
2,4-Dichlorophenol	970	270	2191	0	44.4	18	125				
2,4-Dimethylphenol	480	270	2191	0	22.0	22	130				
2,4-Dinitrophenol	120	550	2191	0	5.28	1	132				J*
2,4-Dinitrotoluene	850	270	2191	0	38.9	21	124				
2,6-Dinitrotoluene	820	270	2191	0	37.6	20	127				
2-Chloronaphthalene	910	270	2191	0	41.6	18	145				
2-Chlorophenol	990	270	2191	0	45.3	18	117				
2-Nitrophenol	890	270	2191	0	40.7	15	121				
4,6-Dinitro-2-methylphenol	450	550	2191	0	20.6	12	128				J*
4-Bromophenyl phenyl ether	920	270	2191	0	41.8	27	135				
4-Chloro-3-methylphenol	1100	270	2191	0	48.0	20	130				
4-Chlorophenyl phenyl ether	990	270	2191	0	45.1	35	125				
4-Nitrophenol	1000	550	2191	0	47.7	22	141				
Acenaphthene	930	270	2191	0	42.4	24	132				
Acenaphthylene	910	270	2191	0	41.5	22	134				
Anthracene	910	270	2191	0	41.4	23	139				
Benzo(a)anthracene	960	270	2191	0	43.8	24	134				
Benzo(a)pyrene	910	270	2191	0	41.5	23	136				
Benzo(b)fluoranthene	930	270	2191	0	42.6	24	132				
Benzo(g,h,i)perylene	870	270	2191	0	39.9	27	131				
Benzo(k)fluoranthene	890	270	2191	0	40.8	25	135				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401119-005B	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	1/31/2014	RunNo:	320
Client ID:	B-5 (0-2)	Batch ID:	207	TestNo:	SW8270D	SW3546		Analysis Date:	2/3/2014	SeqNo:	5909
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	870	270	2191	0	39.7	23	133				
Bis(2-chloroethyl)ether	940	270	2191	0	42.8	20	120				
Bis(2-chloroisopropyl)ether	920	270	2191	0	41.8	32	120				
Bis(2-ethylhexyl)phthalate	880	270	2191	0	40.1	28	144				
Butyl benzyl phthalate	930	270	2191	0	42.6	28	142				
Chrysene	930	270	2191	0	42.6	24	136				
Dibenzo(a,h)anthracene	880	270	2191	0	40.2	24	134				
Diethyl phthalate	970	270	2191	0	44.1	24	130				
Dimethyl phthalate	920	270	2191	0	42.2	24	131				
Di-n-butyl phthalate	930	270	2191	0	42.7	25	133				
Di-n-octyl phthalate	880	550	2191	0	40.4	23	142				
Fluoranthene	1000	270	2191	0	46.4	22	122				
Fluorene	980	270	2191	0	44.7	22	124				
Hexachlorobenzene	970	270	2191	0	44.1	25	132				
Hexachlorobutadiene	970	270	2191	0	44.2	23	123				
Hexachlorocyclopentadiene	190	270	2191	0	8.66	1	124				J
Hexachloroethane	880	270	2191	0	40.1	3	111				
Indeno(1,2,3-c,d)pyrene	920	270	2191	0	42.0	26	140				
Isophorone	920	270	2191	0	41.9	23	127				
Naphthalene	900	270	2191	0	41.0	20	120				
Nitrobenzene	880	270	2191	0	40.2	17	117				
N-Nitrosodimethylamine	760	270	2191	0	34.8	5	110				
N-Nitrosodi-n-propylamine	1000	270	2191	0	46.9	24	126				
N-Nitrosodiphenylamine	450	270	2191	0	20.7	22	136				S
Pentachlorophenol	1100	550	2191	0	48.1	17	116				
Phenanthrene	950	270	2191	0	43.3	18	126				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401119-005B	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	1/31/2014	RunNo:	320
Client ID:	B-5 (0-2)	Batch ID:	207	TestNo:	SW8270D	SW3546		Analysis Date:	2/3/2014	SeqNo:	5909
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	980	270	2191	0	44.6	11	106				
Pyrene	960	270	2191	0	43.6	20	137				
Surr: 2,4,6-Tribromophenol	2100		2191		96.3	11	135				
Surr: 2-Fluorobiphenyl	860		1095		78.9	21	143				
Surr: 2-Fluorophenol	1900		2191		86.6	14	122				
Surr: 4-Terphenyl-d14	930		1095		85.0	15	137				
Surr: Nitrobenzene-d5	900		1095		82.3	17	136				
Surr: Phenol-d6	2000		2191		91.4	10	116				

Sample ID	1401119-005B	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	1/31/2014	RunNo:	320
Client ID:	B-5 (0-2)	Batch ID:	207	TestNo:	SW8270D	SW3546		Analysis Date:	2/3/2014	SeqNo:	5910
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	910	270	2191	0	41.5	21	128	904.8	0.471	20	
1,2-Dichlorobenzene	990	270	2191	0	45.0	20	129	952.3	3.45	20	
1,3-Dichlorobenzene	900	270	2191	0	41.2	19	122	888.5	1.67	20	
1,4-Dichlorobenzene	960	270	2191	0	44.0	22	127	902.3	6.61	20	
2,4,6-Trichlorophenol	1000	270	2191	0	47.1	20	126	989.3	4.29	20	
2,4-Dichlorophenol	970	270	2191	0	44.4	18	125	972.6	0.101	20	
2,4-Dimethylphenol	770	270	2191	0	35.1	22	130	482.3	45.8	20	R
2,4-Dinitrophenol	U	550	2191	0	0	1	132	115.7	200	20	RS*
2,4-Dinitrotoluene	870	270	2191	0	39.7	21	124	852.9	1.97	20	
2,6-Dinitrotoluene	840	270	2191	0	38.4	20	127	824.6	2.04	20	
2-Chloronaphthalene	910	270	2191	0	41.5	18	145	910.6	0.246	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401119-005B	SampType: MSD	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 1/31/2014	RunNo: 320					
Client ID:	B-5 (0-2)	Batch ID: 207	TestNo: SW8270D	SW3546	Analysis Date: 2/3/2014	SeqNo: 5910					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	990	270	2191	0	45.2	18	117	992.1	0.163	20	
2-Nitrophenol	880	270	2191	0	40.3	15	121	892.6	1.18	20	
4,6-Dinitro-2-methylphenol	400	550	2191	0	18.4	12	128	451.3	11.2	20	J*
4-Bromophenyl phenyl ether	950	270	2191	0	43.6	27	135	916.0	4.15	20	
4-Chloro-3-methylphenol	1100	270	2191	0	48.5	20	130	1052	1.09	20	
4-Chlorophenyl phenyl ether	1000	270	2191	0	45.6	35	125	988.6	1.04	20	
4-Nitrophenol	1100	550	2191	0	50.9	22	141	1045	6.40	20	
Acenaphthene	940	270	2191	0	43.0	24	132	928.1	1.55	20	
Acenaphthylene	950	270	2191	0	43.2	22	134	909.1	4.02	20	
Anthracene	950	270	2191	0	43.5	23	139	906.9	5.01	20	
Benzo(a)anthracene	1000	270	2191	0	46.5	24	134	960.4	5.87	20	
Benzo(a)pyrene	940	270	2191	0	43.1	23	136	908.9	3.74	20	
Benzo(b)fluoranthene	970	270	2191	0	44.1	24	132	933.3	3.46	20	
Benzo(g,h,i)perylene	890	270	2191	0	40.8	27	131	873.3	2.35	20	
Benzo(k)fluoranthene	910	270	2191	0	41.5	25	135	894.4	1.74	20	
Bis(2-chloroethoxy)methane	870	270	2191	0	39.5	23	133	868.9	0.306	20	
Bis(2-chloroethyl)ether	950	270	2191	0	43.2	20	120	936.6	0.955	20	
Bis(2-chloroisopropyl)ether	920	270	2191	0	42.0	32	120	916.5	0.394	20	
Bis(2-ethylhexyl)phthalate	920	270	2191	0	42.1	28	144	879.2	4.68	20	
Butyl benzyl phthalate	970	270	2191	0	44.4	28	142	934.1	4.13	20	
Chrysene	990	270	2191	0	45.0	24	136	932.6	5.54	20	
Dibenzo(a,h)anthracene	900	270	2191	0	41.2	24	134	880.8	2.40	20	
Diethyl phthalate	990	270	2191	0	45.0	24	130	965.2	2.13	20	
Dimethyl phthalate	940	270	2191	0	43.0	24	131	923.8	2.02	20	
Di-n-butyl phthalate	960	270	2191	0	43.7	25	133	934.9	2.32	20	
Di-n-octyl phthalate	920	550	2191	0	41.9	23	142	884.7	3.62	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401119-005B	SampType: MSD	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 1/31/2014	RunNo: 320					
Client ID:	B-5 (0-2)	Batch ID: 207	TestNo: SW8270D	SW3546	Analysis Date: 2/3/2014	SeqNo: 5910					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoranthene	1100	270	2191	0	48.8	22	122	1016	5.10	20	
Fluorene	1000	270	2191	0	46.7	22	124	978.8	4.49	20	
Hexachlorobenzene	970	270	2191	0	44.1	25	132	965.4	0.0612	20	
Hexachlorobutadiene	990	270	2191	0	45.2	23	123	969.3	2.19	20	
Hexachlorocyclopentadiene	180	270	2191	0	8.10	1	124	189.7	6.61	20	J
Hexachloroethane	920	270	2191	0	41.9	3	111	878.4	4.33	20	
Indeno(1,2,3-c,d)pyrene	940	270	2191	0	43.1	26	140	919.8	2.59	20	
Isophorone	910	270	2191	0	41.7	23	127	917.3	0.392	20	
Naphthalene	920	270	2191	0	41.9	20	120	898.2	2.25	20	
Nitrobenzene	900	270	2191	0	41.3	17	117	880.7	2.58	20	
N-Nitrosodimethylamine	800	270	2191	0	36.3	5	110	762.3	4.31	20	
N-Nitrosodi-n-propylamine	1000	270	2191	0	46.0	24	126	1028	1.91	20	
N-Nitrosodiphenylamine	480	270	2191	0	22.1	22	136	454.4	6.36	20	
Pentachlorophenol	1100	550	2191	0	50.9	17	116	1053	5.80	20	
Phenanthrene	990	270	2191	0	45.1	18	126	949.4	4.02	20	
Phenol	970	270	2191	0	44.5	11	106	978.0	0.357	20	
Pyrene	1000	270	2191	0	45.9	20	137	955.6	5.03	20	
Surr: 2,4,6-Tribromophenol	2200		2191		102	11	135		0	0	
Surr: 2-Fluorobiphenyl	890		1095		81.3	21	143		0	0	
Surr: 2-Fluorophenol	2000		2191		90.1	14	122		0	0	
Surr: 4-Terphenyl-d14	980		1095		89.1	15	137		0	0	
Surr: Nitrobenzene-d5	920		1095		84.2	17	136		0	0	
Surr: Phenol-d6	2000		2191		91.2	10	116		0	0	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6183</b>						
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	500									
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									
3+4-Methylphenol	U	250									
3-Nitroaniline	U	250									
4,6-Dinitro-2-methylphenol	U	500									
4-Bromophenyl phenyl ether	U	250									
4-Chloro-3-methylphenol	U	250									
4-Chloroaniline	U	250									
4-Chlorophenyl phenyl ether	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
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 TEL: (631) 454-6100 FAX: (631) 454-8027  
 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6183</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	U	250									
4-Nitrophenol	U	500									
Acenaphthene	U	250									
Acenaphthylene	U	250									
Acetophenone	U	250									
Aniline	U	250									
Anthracene	U	250									
Atrazine	U	250									
Azobenzene	U	250									
Benzaldehyde	U	500									
Benzidine	U	500									
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	500									
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									
Carbazole	U	250									

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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	MB-228	SampType	MBLK	TestCode	8270_S	Units	µg/Kg	Prep Date	2/4/2014	RunNo	320
Client ID	PBS	Batch ID	228	TestNo	SW8270D	SW3546		Analysis Date	2/4/2014	SeqNo	6183
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	500									
Fluoranthene	U	250									
Fluorene	U	250									
Hexachlorobenzene	U	250									
Hexachlorobutadiene	U	250									
Hexachlorocyclopentadiene	U	250									
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									
N-Nitrosodi-n-propylamine	U	250									
N-Nitrosodiphenylamine	U	250									
Parathion	U	500									
Pentachlorophenol	U	500									
Phenanthrene	U	250									
Phenol	U	250									
Pyrene	U	250									
Pyridine	U	250									

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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6183</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1600		2000		80.4	11	135				
Surr: 2-Fluorobiphenyl	830		1000		82.5	21	143				
Surr: 2-Fluorophenol	2300		2000		113	14	122				
Surr: 4-Terphenyl-d14	870		1000		87.4	15	137				
Surr: Nitrobenzene-d5	770		1000		77.2	17	136				
Surr: Phenol-d6	2200		2000		110	10	116				

Sample ID <b>LCS-228</b>	SampType: <b>LCS</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6184</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	830	250	2000	0	41.3	30	125				
1,2-Dichlorobenzene	820	250	2000	0	41.0	24	122				
1,3-Dichlorobenzene	830	250	2000	0	41.6	25	125				
1,4-Dichlorobenzene	900	250	2000	0	45.2	23	121				
2,4,6-Trichlorophenol	730	250	2000	0	36.5	25	130				
2,4-Dichlorophenol	840	250	2000	0	42.0	31	125				
2,4-Dimethylphenol	820	250	2000	0	40.9	17	132				
2,4-Dinitrophenol	390	500	2000	0	19.6	1	116				J
2,4-Dinitrotoluene	750	250	2000	0	37.5	30	134				
2,6-Dinitrotoluene	730	250	2000	0	36.6	35	125				
2-Chloronaphthalene	840	250	2000	0	41.9	30	130				
2-Chlorophenol	920	250	2000	0	46.2	32	134				
2-Nitrophenol	870	250	2000	0	43.3	16	146				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 320					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6184						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	740	500	2000	0	36.8	11	141				
4-Bromophenyl phenyl ether	850	250	2000	0	42.6	35	135				
4-Chloro-3-methylphenol	860	250	2000	0	43.2	19	139				
4-Chlorophenyl phenyl ether	850	250	2000	0	42.5	30	128				
4-Nitrophenol	850	500	2000	0	42.4	17	140				
Acenaphthene	840	250	2000	0	42.0	25	137				
Acenaphthylene	840	250	2000	0	42.2	23	136				
Anthracene	870	250	2000	0	43.3	23	150				
Benzo(a)anthracene	850	250	2000	0	42.7	31	140				
Benzo(a)pyrene	810	250	2000	0	40.7	36	136				
Benzo(b)fluoranthene	790	250	2000	0	39.6	30	140				
Benzo(g,h,i)perylene	900	250	2000	0	44.9	21	143				
Benzo(k)fluoranthene	830	250	2000	0	41.6	30	140				
Bis(2-chloroethoxy)methane	830	250	2000	0	41.3	18	110				
Bis(2-chloroethyl)ether	910	250	2000	0	45.4	30	131				
Bis(2-chloroisopropyl)ether	780	250	2000	0	39.2	34	124				
Bis(2-ethylhexyl)phthalate	790	250	2000	0	39.7	35	137				
Butyl benzyl phthalate	820	250	2000	0	41.0	34	140				
Chrysene	850	250	2000	0	42.4	31	133				
Dibenzo(a,h)anthracene	880	250	2000	0	43.9	24	145				
Diethyl phthalate	830	250	2000	0	41.4	35	130				
Dimethyl phthalate	840	250	2000	0	42.0	32	130				
Di-n-butyl phthalate	950	250	2000	0	47.6	35	131				
Di-n-octyl phthalate	770	500	2000	0	38.4	37	143				
Fluoranthene	1000	250	2000	0	50.1	21	139				
Fluorene	850	250	2000	0	42.5	30	130				

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S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 320					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6184						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	890	250	2000	0	44.4	30	130				
Hexachlorobutadiene	860	250	2000	0	42.8	30	125				
Hexachlorocyclopentadiene	610	250	2000	0	30.7	12	126				
Hexachloroethane	800	250	2000	0	40.0	30	125				
Indeno(1,2,3-c,d)pyrene	870	250	2000	0	43.7	28	141				
Isophorone	820	250	2000	0	40.8	30	125				
Naphthalene	850	250	2000	0	42.6	27	131				
Nitrobenzene	820	250	2000	0	41.0	35	125				
N-Nitrosodimethylamine	850	250	2000	0	42.7	10	123				
N-Nitrosodi-n-propylamine	810	250	2000	0	40.4	39	125				
N-Nitrosodiphenylamine	470	250	2000	0	23.3	21	103				
Pentachlorophenol	760	500	2000	0	38.0	10	132				
Phenanthrene	870	250	2000	0	43.5	35	130				
Phenol	920	250	2000	0	46.0	20	135				
Pyrene	940	250	2000	0	47.1	30	152				
Surr: 2,4,6-Tribromophenol	1500		2000		73.7	11	135				
Surr: 2-Fluorobiphenyl	820		1000		82.3	21	143				
Surr: 2-Fluorophenol	1800		2000		92.1	14	122				
Surr: 4-Terphenyl-d14	940		1000		93.8	15	137				
Surr: Nitrobenzene-d5	840		1000		84.3	17	136				
Surr: Phenol-d6	1800		2000		92.4	10	116				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	MB-228	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/4/2014	RunNo:	344
Client ID:	PBS	Batch ID:	228	TestNo:	SW8270D	SW3546		Analysis Date:	2/4/2014	SeqNo:	6202
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	500									*
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									
3+4-Methylphenol	U	250									
3-Nitroaniline	U	250									
4,6-Dinitro-2-methylphenol	U	500									*
4-Bromophenyl phenyl ether	U	250									
4-Chloro-3-methylphenol	U	250									
4-Chloroaniline	U	250									
4-Chlorophenyl phenyl ether	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	MB-228	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/4/2014	RunNo:	344
Client ID:	PBS	Batch ID:	228	TestNo:	SW8270D	SW3546		Analysis Date:	2/4/2014	SeqNo:	6202
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	U	250									
4-Nitrophenol	U	500									*
Acenaphthene	U	250									
Acenaphthylene	U	250									
Acetophenone	U	250									
Aniline	U	250									
Anthracene	U	250									
Atrazine	U	250									
Azobenzene	U	250									
Benzaldehyde	U	500									
Benzidine	U	500									*
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	500									*
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									
Carbazole	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>344</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	500									
Fluoranthene	U	250									
Fluorene	U	250									
Hexachlorobenzene	U	250									
Hexachlorobutadiene	U	250									
Hexachlorocyclopentadiene	U	250									
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									
N-Nitrosodi-n-propylamine	U	250									
N-Nitrosodiphenylamine	U	250									
Parathion	U	500									
Pentachlorophenol	U	500									
Phenanthrene	U	250									
Phenol	U	250									
Pyrene	U	250									
Pyridine	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>344</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1600		2000		80.4	11	135				
Surr: 2-Fluorobiphenyl	830		1000		82.5	21	143				
Surr: 2-Fluorophenol	2300		2000		113	14	122				
Surr: 4-Terphenyl-d14	870		1000		87.4	15	137				
Surr: Nitrobenzene-d5	770		1000		77.2	17	136				
Surr: Phenol-d6	2200		2000		110	10	116				

Sample ID <b>LCS-228</b>	SampType: <b>LCS</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>344</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6203</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	830	250	2000	0	41.3	30	125				
1,2-Dichlorobenzene	820	250	2000	0	41.0	24	122				
1,3-Dichlorobenzene	830	250	2000	0	41.6	25	125				
1,4-Dichlorobenzene	900	250	2000	0	45.2	23	121				
2,4,6-Trichlorophenol	730	250	2000	0	36.5	25	130				
2,4-Dichlorophenol	840	250	2000	0	42.0	31	125				
2,4-Dimethylphenol	820	250	2000	0	40.9	17	132				
2,4-Dinitrophenol	390	500	2000	0	19.6	1	116				J*
2,4-Dinitrotoluene	750	250	2000	0	37.5	30	134				
2,6-Dinitrotoluene	730	250	2000	0	36.6	35	125				
2-Chloronaphthalene	840	250	2000	0	41.9	30	130				
2-Chlorophenol	920	250	2000	0	46.2	32	134				
2-Nitrophenol	870	250	2000	0	43.3	16	146				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 344					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6203						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	740	500	2000	0	36.8	11	141				*
4-Bromophenyl phenyl ether	850	250	2000	0	42.6	35	135				
4-Chloro-3-methylphenol	860	250	2000	0	43.2	19	139				
4-Chlorophenyl phenyl ether	850	250	2000	0	42.5	30	128				
4-Nitrophenol	850	500	2000	0	42.4	17	140				*
Acenaphthene	840	250	2000	0	42.0	25	137				
Acenaphthylene	840	250	2000	0	42.2	23	136				
Anthracene	870	250	2000	0	43.3	23	150				
Benzo(a)anthracene	850	250	2000	0	42.7	31	140				
Benzo(a)pyrene	810	250	2000	0	40.7	36	136				
Benzo(b)fluoranthene	790	250	2000	0	39.6	30	140				
Benzo(g,h,i)perylene	900	250	2000	0	44.9	21	143				
Benzo(k)fluoranthene	830	250	2000	0	41.6	30	140				
Bis(2-chloroethoxy)methane	830	250	2000	0	41.3	18	110				
Bis(2-chloroethyl)ether	910	250	2000	0	45.4	30	131				
Bis(2-chloroisopropyl)ether	780	250	2000	0	39.2	34	124				
Bis(2-ethylhexyl)phthalate	790	250	2000	0	39.7	35	137				
Butyl benzyl phthalate	820	250	2000	0	41.0	34	140				
Chrysene	850	250	2000	0	42.4	31	133				
Dibenzo(a,h)anthracene	880	250	2000	0	43.9	24	145				
Diethyl phthalate	830	250	2000	0	41.4	35	130				
Dimethyl phthalate	840	250	2000	0	42.0	32	130				
Di-n-butyl phthalate	950	250	2000	0	47.6	35	131				
Di-n-octyl phthalate	770	500	2000	0	38.4	37	143				
Fluoranthene	1000	250	2000	0	50.1	21	139				
Fluorene	850	250	2000	0	42.5	30	130				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 344					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6203						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	890	250	2000	0	44.4	30	130				
Hexachlorobutadiene	860	250	2000	0	42.8	30	125				
Hexachlorocyclopentadiene	610	250	2000	0	30.7	12	126				
Hexachloroethane	800	250	2000	0	40.0	30	125				
Indeno(1,2,3-c,d)pyrene	870	250	2000	0	43.7	28	141				
Isophorone	820	250	2000	0	40.8	30	125				
Naphthalene	850	250	2000	0	42.6	27	131				
Nitrobenzene	820	250	2000	0	41.0	35	125				
N-Nitrosodimethylamine	850	250	2000	0	42.7	10	123				
N-Nitrosodi-n-propylamine	810	250	2000	0	40.4	39	125				
N-Nitrosodiphenylamine	470	250	2000	0	23.3	21	103				
Pentachlorophenol	760	500	2000	0	38.0	10	132				
Phenanthrene	870	250	2000	0	43.5	35	130				
Phenol	920	250	2000	0	46.0	20	135				
Pyrene	940	250	2000	0	47.1	30	152				
Surr: 2,4,6-Tribromophenol	1500		2000		73.7	11	135				
Surr: 2-Fluorobiphenyl	820		1000		82.3	21	143				
Surr: 2-Fluorophenol	1800		2000		92.1	14	122				
Surr: 4-Terphenyl-d14	940		1000		93.8	15	137				
Surr: Nitrobenzene-d5	840		1000		84.3	17	136				
Surr: Phenol-d6	1800		2000		92.4	10	116				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401133-005B	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	2/4/2014	RunNo:	344
Client ID:	BatchQC	Batch ID:	228	TestNo:	SW8270D	SW3546		Analysis Date:	2/5/2014	SeqNo:	6221
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	930	290	2331	0	39.8	21	128				
1,2-Dichlorobenzene	930	290	2331	0	39.7	20	129				
1,3-Dichlorobenzene	880	290	2331	0	37.9	19	122				m
1,4-Dichlorobenzene	950	290	2331	0	40.6	22	127				
2,4,6-Trichlorophenol	620	290	2331	0	26.7	20	126				
2,4-Dichlorophenol	880	290	2331	0	37.8	18	125				
2,4-Dimethylphenol	910	290	2331	0	39.1	22	130				
2,4-Dinitrophenol	U	580	2331	0	0	1	132				S*
2,4-Dinitrotoluene	200	290	2331	0	8.39	21	124				JS
2,6-Dinitrotoluene	170	290	2331	0	7.17	20	127				JS
2-Chloronaphthalene	850	290	2331	0	36.5	18	145				
2-Chlorophenol	790	290	2331	0	33.9	18	117				
2-Nitrophenol	280	290	2331	0	12.1	15	121				JSm
4,6-Dinitro-2-methylphenol	340	580	2331	0	14.6	12	128				J
4-Bromophenyl phenyl ether	900	290	2331	0	38.8	27	135				
4-Chloro-3-methylphenol	880	290	2331	0	37.7	20	130				
4-Chlorophenyl phenyl ether	900	290	2331	0	38.8	35	125				
4-Nitrophenol	570	580	2331	0	24.6	22	141				J
Acenaphthene	740	290	2331	36.28	30.0	24	132				
Acenaphthylene	530	290	2331	0	22.8	22	134				
Anthracene	430	290	2331	29.60	17.3	23	139				S
Benzo(a)anthracene	590	290	2331	45.23	23.2	24	134				S
Benzo(a)pyrene	450	290	2331	31.20	17.8	23	136				S
Benzo(b)fluoranthene	710	290	2331	32.36	29.0	24	132				m
Benzo(g,h,i)perylene	610	290	2331	0	26.2	27	131				S
Benzo(k)fluoranthene	630	290	2331	0	27.2	25	135				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401133-005B	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	2/4/2014	RunNo:	344
Client ID:	BatchQC	Batch ID:	228	TestNo:	SW8270D	SW3546		Analysis Date:	2/5/2014	SeqNo:	6221
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	780	290	2331	0	33.4	23	133				
Bis(2-chloroethyl)ether	920	290	2331	0	39.4	20	120				
Bis(2-chloroisopropyl)ether	730	290	2331	0	31.2	32	120				S
Bis(2-ethylhexyl)phthalate	780	290	2331	0	33.6	28	144				
Butyl benzyl phthalate	710	290	2331	0	30.3	28	142				
Chrysene	790	290	2331	47.97	31.7	24	136				
Dibenzo(a,h)anthracene	580	290	2331	0	24.8	24	134				
Diethyl phthalate	830	290	2331	0	35.4	24	130				
Dimethyl phthalate	790	290	2331	0	33.8	24	131				
Di-n-butyl phthalate	840	290	2331	0	36.0	25	133				
Di-n-octyl phthalate	740	580	2331	0	31.6	23	142				
Fluoranthene	950	290	2331	105.7	36.4	22	122				
Fluorene	970	290	2331	97.22	37.5	22	124				
Hexachlorobenzene	930	290	2331	0	40.0	25	132				
Hexachlorobutadiene	970	290	2331	0	41.4	23	123				
Hexachlorocyclopentadiene	U	290	2331	0	0	1	124				S
Hexachloroethane	11000	290	2331	0	483	3	111				ES
Indeno(1,2,3-c,d)pyrene	660	290	2331	0	28.1	26	140				
Isophorone	810	290	2331	0	34.7	23	127				
Naphthalene	7800	290	2331	6943	36.4	20	120				E
Nitrobenzene	1100	290	2331	0	48.1	17	117				
N-Nitrosodimethylamine	630	290	2331	0	26.9	5	110				
N-Nitrosodi-n-propylamine	1500	290	2331	0	65.3	24	126				
N-Nitrosodiphenylamine	280	290	2331	0	12.1	22	136				JS
Pentachlorophenol	960	580	2331	0	41.3	17	116				*
Phenanthrene	970	290	2331	134.3	36.1	18	126				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401133-005B	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	2/4/2014	RunNo:	344
Client ID:	BatchQC	Batch ID:	228	TestNo:	SW8270D	SW3546		Analysis Date:	2/5/2014	SeqNo:	6221
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	750	290	2331	0	32.0	11	106				
Pyrene	780	290	2331	102.4	28.9	20	137				
Surr: 2,4,6-Tribromophenol	1300		2331		54.9	11	135				
Surr: 2-Fluorobiphenyl	850		1165		73.0	21	143				
Surr: 2-Fluorophenol	1200		2331		52.7	14	122				
Surr: 4-Terphenyl-d14	770		1165		66.3	15	137				
Surr: Nitrobenzene-d5	630		1165		54.4	17	136				
Surr: Phenol-d6	1300		2331		57.2	10	116				

Sample ID	1401133-005B	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	2/4/2014	RunNo:	344
Client ID:	BatchQC	Batch ID:	228	TestNo:	SW8270D	SW3546		Analysis Date:	2/5/2014	SeqNo:	6222
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	950	290	2331	0	40.8	21	128	927.7	2.55	20	
1,2-Dichlorobenzene	950	290	2331	0	40.8	20	129	926.1	2.70	20	
1,3-Dichlorobenzene	890	290	2331	0	38.4	19	122	883.3	1.26	20	
1,4-Dichlorobenzene	960	290	2331	0	41.0	22	127	947.0	0.842	20	
2,4,6-Trichlorophenol	800	290	2331	0	34.5	20	126	622.5	25.5	20	R
2,4-Dichlorophenol	1000	290	2331	0	44.1	18	125	881.9	15.4	20	
2,4-Dimethylphenol	1100	290	2331	0	47.4	22	130	912.4	19.0	20	
2,4-Dinitrophenol	U	580	2331	0	0	1	132	0	0	20	S*
2,4-Dinitrotoluene	250	290	2331	0	10.9	21	124	195.5	26.3	20	JRS
2,6-Dinitrotoluene	210	290	2331	0	8.92	20	127	167.1	21.7	20	JRS
2-Chloronaphthalene	900	290	2331	0	38.8	18	145	850.0	6.16	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401133-005B	SampType: MSD	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 2/4/2014	RunNo: 344					
Client ID: BatchQC	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/5/2014	SeqNo: 6222						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	920	290	2331	0	39.5	18	117	791.0	15.2	20	
2-Nitrophenol	270	290	2331	0	11.5	15	121	281.6	4.92	20	JS
4,6-Dinitro-2-methylphenol	340	580	2331	0	14.5	12	128	339.8	0.210	20	J
4-Bromophenyl phenyl ether	950	290	2331	0	40.9	27	135	904.3	5.20	20	
4-Chloro-3-methylphenol	970	290	2331	0	41.7	20	130	878.1	10.1	20	
4-Chlorophenyl phenyl ether	960	290	2331	0	41.0	35	125	904.0	5.51	20	
4-Nitrophenol	710	580	2331	0	30.4	22	141	574.4	20.9	20	R
Acenaphthene	880	290	2331	36.28	36.0	24	132	735.3	17.4	20	
Acenaphthylene	720	290	2331	0	30.9	22	134	532.3	30.0	20	R
Anthracene	550	290	2331	29.60	22.3	23	139	433.8	23.4	20	RS
Benzo(a)anthracene	720	290	2331	45.23	29.1	24	134	586.1	20.9	20	R
Benzo(a)pyrene	480	290	2331	31.20	19.4	23	136	445.6	8.24	20	S
Benzo(b)fluoranthene	760	290	2331	32.36	31.1	24	132	707.2	6.67	20	m
Benzo(g,h,i)perylene	700	290	2331	0	30.0	27	131	611.2	13.3	20	
Benzo(k)fluoranthene	710	290	2331	0	30.5	25	135	633.8	11.6	20	
Bis(2-chloroethoxy)methane	700	290	2331	0	30.2	23	133	779.4	10.2	20	
Bis(2-chloroethyl)ether	910	290	2331	0	38.9	20	120	917.9	1.31	20	
Bis(2-chloroisopropyl)ether	740	290	2331	0	31.6	32	120	727.2	1.32	20	S
Bis(2-ethylhexyl)phthalate	820	290	2331	0	35.0	28	144	782.8	4.19	20	
Butyl benzyl phthalate	760	290	2331	0	32.7	28	142	705.7	7.62	20	
Chrysene	840	290	2331	47.97	34.2	24	136	786.9	7.02	20	
Dibenzo(a,h)anthracene	670	290	2331	0	28.9	24	134	578.9	15.1	20	
Diethyl phthalate	910	290	2331	0	39.0	24	130	826.2	9.43	20	
Dimethyl phthalate	880	290	2331	0	37.9	24	131	788.2	11.5	20	
Di-n-butyl phthalate	900	290	2331	0	38.5	25	133	838.5	6.76	20	
Di-n-octyl phthalate	770	580	2331	0	32.9	23	142	735.9	4.01	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** 8270\_S

Sample ID	1401133-005B	SampType: MSD	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 2/4/2014	RunNo: 344					
Client ID: BatchQC	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/5/2014	SeqNo: 6222						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoranthene	1000	290	2331	105.7	38.8	22	122	953.4	5.84	20	
Fluorene	1000	290	2331	97.22	39.6	22	124	972.0	4.85	20	
Hexachlorobenzene	980	290	2331	0	42.2	25	132	932.3	5.28	20	
Hexachlorobutadiene	1000	290	2331	0	43.3	23	123	965.5	4.51	20	
Hexachlorocyclopentadiene	U	290	2331	0	0	1	124	0	0	20	S
Hexachloroethane	11000	290	2331	0	456	3	111	11250	5.63	20	ES
Indeno(1,2,3-c,d)pyrene	730	290	2331	0	31.1	26	140	655.4	10.2	20	
Isophorone	830	290	2331	0	35.7	23	127	809.4	2.80	20	
Naphthalene	7600	290	2331	6943	29.5	20	120	7791	2.06	20	E
Nitrobenzene	1200	290	2331	0	51.2	17	117	1122	6.06	20	
N-Nitrosodimethylamine	710	290	2331	0	30.6	5	110	626.1	13.1	20	
N-Nitrosodi-n-propylamine	1500	290	2331	0	66.1	24	126	1523	1.14	20	
N-Nitrosodiphenylamine	400	290	2331	0	17.3	22	136	282.4	35.4	20	RS
Pentachlorophenol	1100	580	2331	0	46.3	17	116	961.6	11.6	20	*
Phenanthrene	1000	290	2331	134.3	37.6	18	126	974.6	3.72	20	
Phenol	820	290	2331	0	35.2	11	106	745.2	9.52	20	
Pyrene	880	290	2331	102.4	33.2	20	137	777.1	11.9	20	
Surr: 2,4,6-Tribromophenol	1600		2331		68.8	11	135		0	0	
Surr: 2-Fluorobiphenyl	900		1165		76.9	21	143		0	0	
Surr: 2-Fluorophenol	1500		2331		63.9	14	122		0	0	
Surr: 4-Terphenyl-d14	810		1165		69.2	15	137		0	0	
Surr: Nitrobenzene-d5	740		1165		63.7	17	136		0	0	
Surr: Phenol-d6	1500		2331		65.3	10	116		0	0	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** HG\_S

Sample ID	<b>MBS020414A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>2/4/2014</b>	RunNo:	<b>332</b>			
Client ID:	<b>PBS</b>	Batch ID:	<b>229</b>	TestNo:	<b>SW7471B</b>		<b>SW7471B</b>	Analysis Date:	<b>2/4/2014</b>	SeqNo:	<b>6035</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		U		0.0120										

Sample ID	<b>LCSS020414A</b>	SampType:	<b>LCS</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>2/4/2014</b>	RunNo:	<b>332</b>			
Client ID:	<b>LCSS</b>	Batch ID:	<b>229</b>	TestNo:	<b>SW7471B</b>		<b>SW7471B</b>	Analysis Date:	<b>2/4/2014</b>	SeqNo:	<b>6036</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.190		0.0120	0.2000	0		94.8	80	120				

Sample ID	<b>1401119-006BMS</b>	SampType:	<b>MS</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg-dry</b>	Prep Date:	<b>2/4/2014</b>	RunNo:	<b>332</b>			
Client ID:	<b>B-5 (3-5)</b>	Batch ID:	<b>229</b>	TestNo:	<b>SW7471B</b>		<b>SW7471B</b>	Analysis Date:	<b>2/4/2014</b>	SeqNo:	<b>6061</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.197		0.0123	0.2044	0		96.3	80	120				

Sample ID	<b>1401119-006BMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg-dry</b>	Prep Date:	<b>2/4/2014</b>	RunNo:	<b>332</b>			
Client ID:	<b>B-5 (3-5)</b>	Batch ID:	<b>229</b>	TestNo:	<b>SW7471B</b>		<b>SW7471B</b>	Analysis Date:	<b>2/4/2014</b>	SeqNo:	<b>6062</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.120		0.0121	0.2024	0		59.3	80	120	0.1967	48.5	20	RS

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** ICPSCAN\_S

Sample ID	<b>MBS020314A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>ICPSCAN_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>2/3/2014</b>	RunNo:	<b>318</b>
Client ID:	<b>PBS</b>	Batch ID:	<b>218</b>	TestNo:	<b>SW6010C</b>	<b>SW3050B</b>		Analysis Date:	<b>2/3/2014</b>	SeqNo:	<b>5855</b>
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									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
 56 Toledo Street  
 Farmingdale, New York 11735  
 TEL: (631) 454-6100 FAX: (631) 454-8027  
 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** ICPSCAN\_S

Sample ID	LCSS020314A	SampType:	LCS	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	2/3/2014	RunNo:	318
Client ID:	LCSS	Batch ID:	218	TestNo:	SW6010C	SW3050B		Analysis Date:	2/3/2014	SeqNo:	5856
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	39.4	0.400	40.00	0	98.4	80	120				
Antimony	40.5	0.500	40.00	0	101	80	120				
Arsenic	41.1	0.500	40.00	0	103	80	120				
Barium	38.9	0.400	40.00	0	97.3	80	120				
Beryllium	39.1	0.400	40.00	0	97.6	80	120				
Cadmium	39.4	0.400	40.00	0	98.4	80	120				
Calcium	39.7	0.500	40.00	0	99.3	80	120				
Chromium	40.1	0.400	40.00	0	100	80	120				
Cobalt	40.6	0.400	40.00	0	102	80	120				
Copper	39.1	0.400	40.00	0	97.8	80	120				
Iron	39.4	0.400	40.00	0	98.5	80	120				
Lead	39.6	0.400	40.00	0	99.0	80	120				
Magnesium	41.4	0.400	40.00	0	104	80	120				
Manganese	39.1	0.400	40.00	0	97.9	80	120				
Nickel	39.2	0.400	40.00	0	98.0	80	120				
Potassium	397	0.500	400.0	0	99.2	80	120				
Selenium	39.3	0.500	40.00	0	98.3	80	120				
Silver	40.0	0.400	40.00	0	99.9	80	120				
Sodium	41.2	0.500	40.00	0	103	80	120				
Thallium	39.7	0.500	40.00	0	99.3	80	120				
Vanadium	39.1	0.400	40.00	0	97.7	80	120				
Zinc	39.6	0.400	40.00	0	99.0	80	120				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** ICPSCAN\_S

Sample ID	1401119-006BMS	SampType:	MS	TestCode:	ICPSCAN_S	Units:	mg/Kg-dry	Prep Date:	2/3/2014	RunNo:	318
Client ID:	B-5 (3-5)	Batch ID:	218	TestNo:	SW6010C	SW3050B	Analysis Date:	2/3/2014	SeqNo:	5872	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2310	0.401	20.04	2373	-330	75	125				S
Antimony	18.3	0.501	20.04	0	91.4	75	125				
Arsenic	19.1	0.501	20.04	0.8429	90.9	75	125				
Barium	30.0	0.401	20.04	10.83	95.5	75	125				
Beryllium	16.6	0.401	20.04	0	82.6	75	125				
Cadmium	17.5	0.401	20.04	0	87.3	75	125				
Calcium	263	0.501	20.04	247.3	79.9	75	125				
Chromium	25.3	0.401	20.04	7.242	90.1	75	125				
Cobalt	12.6	0.401	20.04	0	62.7	75	125				S
Copper	25.4	0.401	20.04	6.529	94.3	75	125				
Iron	3730	0.401	20.04	3794	-307	75	125				S
Lead	18.4	0.401	20.04	2.167	80.8	75	125				
Magnesium	622	0.401	20.04	627.7	-27.1	75	125				S
Manganese	171	0.401	20.04	159.8	57.3	75	125				S
Nickel	21.5	0.401	20.04	5.078	81.9	75	125				
Potassium	505	0.501	200.4	293.6	105	75	125				
Selenium	16.1	0.501	20.04	0	80.5	75	125				
Silver	18.1	0.401	20.04	0	90.2	75	125				
Sodium	39.6	0.501	20.04	19.28	101	75	125				
Thallium	17.7	0.501	20.04	0	88.5	75	125				
Vanadium	27.5	0.401	20.04	9.333	90.7	75	125				
Zinc	26.6	0.401	20.04	8.952	88.3	75	125				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401119  
 06-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102- 14/16 Ozone Park, NY

**TestCode:** ICPSCAN\_S

Sample ID	1401119-006BMSD	SampType: MSD	TestCode: ICPSCAN_S	Units: mg/Kg-dry	Prep Date: 2/3/2014	RunNo: 318					
Client ID: B-5 (3-5)	Batch ID: 218	TestNo: SW6010C	SW3050B	Analysis Date: 2/3/2014	SeqNo: 5873						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2320	0.402	20.12	2373	-243	75	125	2307	0.745	20	S
Antimony	18.8	0.503	20.12	0	93.6	75	125	18.32	2.77	20	
Arsenic	19.3	0.503	20.12	0.8429	91.9	75	125	19.06	1.36	20	
Barium	30.2	0.402	20.12	10.83	96.4	75	125	29.97	0.811	20	
Beryllium	16.8	0.402	20.12	0	83.4	75	125	16.56	1.34	20	
Cadmium	17.6	0.402	20.12	0	87.4	75	125	17.49	0.572	20	
Calcium	262	0.503	20.12	247.3	75.2	75	125	263.3	0.333	20	
Chromium	25.4	0.402	20.12	7.242	90.4	75	125	25.29	0.588	20	
Cobalt	13.2	0.402	20.12	0	65.5	75	125	12.56	4.76	20	S
Copper	25.7	0.402	20.12	6.529	95.1	75	125	25.43	0.940	20	
Iron	3760	0.402	20.12	3794	-173	75	125	3732	0.709	20	S
Lead	18.5	0.402	20.12	2.167	81.2	75	125	18.36	0.755	20	
Magnesium	626	0.402	20.12	627.7	-8.51	75	125	622.3	0.597	20	S
Manganese	172	0.402	20.12	159.8	61.8	75	125	171.3	0.548	20	S
Nickel	21.6	0.402	20.12	5.078	82.2	75	125	21.49	0.555	20	
Potassium	509	0.503	201.2	293.6	107	75	125	504.8	0.889	20	
Selenium	16.4	0.503	20.12	0	81.6	75	125	16.12	1.78	20	
Silver	18.4	0.402	20.12	0	91.3	75	125	18.07	1.61	20	
Sodium	39.8	0.503	20.12	19.28	102	75	125	39.58	0.649	20	
Thallium	17.9	0.503	20.12	0	88.9	75	125	17.74	0.876	20	
Vanadium	27.7	0.402	20.12	9.333	91.4	75	125	27.52	0.737	20	
Zinc	26.5	0.402	20.12	8.952	87.4	75	125	26.64	0.370	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# Sample Log-In Check List

Client Name: **HOLZMACHER** Work Order Number: **1401119** RcptNo: **1**

Logged by: <b>Cate Ferrara</b>	<b>1/29/2014 3:00:00 PM</b>	<i>C Ferrara</i>
Completed By: <b>Cate Ferrara</b>	<b>1/29/2014</b>	<i>C Ferrara</i>
Reviewed By: <b>Lori Beyer</b>	<b>1/30/2014</b>	<i>Lori Beyer</i>

**Chain of Custody**

1. Is Chain of Custody complete? Yes  No  Not Present   
 2. How was the sample delivered? AAL Lab Courier

**Log In**

3. Coolers are present? Yes  No  NA   
 4. Shipping container/cooler in good condition? Yes  No   
 Custody seals intact on shipping container/cooler? Yes  No  Not Present   
 No. Seal Date: Signed By:  
 5. Was an attempt made to cool the samples? Yes  No  NA   
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA   
 7. Sample(s) in proper container(s)? Yes  No   
 8. Sufficient sample volume for indicated test(s)? Yes  No   
 9. Are samples (except VOA and ONG) properly preserved? Yes  No   
 10. Was preservative added to bottles? Yes  No  NA   
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes  No  No VOA Vials   
 12. Were any sample containers received broken? Yes  No   
 13. Does paperwork match bottle labels? Yes  No   
 (Note discrepancies on chain of custody)  
 14. Are matrices correctly identified on Chain of Custody? Yes  No   
 15. Is it clear what analyses were requested? Yes  No   
 16. Were all holding times able to be met? Yes  No   
 (If no, notify customer for authorization.)

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:  
 Samples not collected according to Method 5035A.

**Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
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## Definition Only

WO#: 1401119  
Date: 2/6/2014

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### Definitions:

#### Sample Result and QC Summary Qualifiers - Level I and Level II Reports

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

E - The value is above the quantitation range

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

\* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP





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February 11, 2014

Jim DeMartinis  
J.R. Holzmacher P.E. LLC  
3555 Veterans Memorial Hwy., Suite A  
Ronkonkoma, NY 11788  
TEL: (631) 234-2220  
FAX (631) 234-2221

RE: Liberty Ave., 102-14/16 Liberty Ave., Ozon

Order No.: 1401124

Dear Jim DeMartinis:

American Analytical Laboratories, LLC. received 8 sample(s) on 1/30/2014 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.

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](mailto:lbeyer@american-analytical.com).

Sincerely,

Lori Beyer  
Lab Director  
American Analytical Laboratories, LLC.



American Analytical Laboratories, LLC.  
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Farmingdale, New York 11735  
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Website: www.American-Analytical.com

## Workorder Sample Summary

WO#: 1401124

11-Feb-14

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**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

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Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1401124-001A	B-2 (0-2)		1/30/2014 10:00:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-001B	B-2 (0-2)		1/30/2014 10:00:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-002A	B-2 (4-6)		1/30/2014 10:03:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-002B	B-2 (4-6)		1/30/2014 10:03:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-003A	B-3 (0-2)		1/30/2014 10:38:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-003B	B-3 (0-2)		1/30/2014 10:38:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-004A	B-3 (4-6)		1/30/2014 10:43:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-004B	B-3 (4-6)		1/30/2014 10:43:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-005A	B-6 (0-2)		1/30/2014 9:15:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-005B	B-6 (0-2)		1/30/2014 9:15:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-006A	B-6 (4-6)		1/30/2014 9:20:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-006B	B-6 (4-6)		1/30/2014 9:20:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-007A	B-7 (0-2)		1/30/2014 8:50:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-007B	B-7 (0-2)		1/30/2014 8:50:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-008A	B-7 (3-5)		1/30/2014 8:53:00 AM	1/30/2014 1:25:00 PM	Soil
1401124-008B	B-7 (3-5)		1/30/2014 8:53:00 AM	1/30/2014 1:25:00 PM	Soil



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## Case Narrative

WO#: 1401124  
Date: 2/11/2014

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**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A via the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method.

Volatile LCS are analyzed with preservatives - HCL/NaHSO<sub>4</sub>/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Pesticide analysis by Method 8081B (if applicable to this work order) is analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, SM 4500-SO<sub>3</sub> B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid



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## Case Narrative

WO#: 1401124  
Date: 2/11/2014

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**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

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The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. Or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

# American Analytical Laboratories, LLC.

Date: 11-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:00:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-001A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,1-Trichloroethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,2,2-Tetrachloroethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,2-Trichloroethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1-Dichloroethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1-Dichloroethene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1-Dichloropropene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,3-Trichlorobenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,3-Trichloropropane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,4,5-Tetramethylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,4-Trichlorobenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,4-Trimethylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dibromo-3-chloropropane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dibromoethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dichlorobenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dichloroethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dichloropropane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3,5-Trimethylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3-Dichlorobenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3-dichloropropane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,4-Dichlorobenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
1,4-Dioxane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
2,2-Dichloropropane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
2-Butanone	U	5.76	12		µg/Kg-dry	1	1/31/2014 1:56:00 PM
2-Chloroethyl vinyl ether	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
2-Chlorotoluene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
2-Hexanone	U	5.76	12		µg/Kg-dry	1	1/31/2014 1:56:00 PM
2-Propanol	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
4-Chlorotoluene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
4-Isopropyltoluene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
4-Methyl-2-pentanone	U	5.76	12		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Acetone	5.8	1.44	12	BJ*	µg/Kg-dry	1	1/31/2014 1:56:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:00:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-001A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromobenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromochloromethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromodichloromethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromoform	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromomethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Carbon disulfide	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Carbon tetrachloride	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Chlorobenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Chlorodifluoromethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Chloroethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Chloroform	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Chloromethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
cis-1,2-Dichloroethene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
cis-1,3-Dichloropropene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Cyclohexane	U	2.31	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Dibromochloromethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Dibromomethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Dichlorodifluoromethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Diisopropyl ether	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Ethanol	U	11.5	23		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Ethylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Freon-114	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Hexachlorobutadiene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Isopropylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
m,p-Xylene	U	2.31	12		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Methyl Acetate	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Methyl tert-butyl ether	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Methylene chloride	9.2	1.15	5.8	B*	µg/Kg-dry	1	1/31/2014 1:56:00 PM
Naphthalene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
n-Butylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
n-Propylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
o-Xylene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM

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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:00:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-001A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>							
			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
p-Ethyltoluene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
sec-Butylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Styrene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
t-Butyl alcohol	U	2.88	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
tert-Butylbenzene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Tetrachloroethene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Toluene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
trans-1,2-Dichloroethene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
trans-1,3-Dichloropropene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Trichloroethene	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Trichlorofluoromethane	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Vinyl acetate	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Vinyl chloride	U	1.15	5.8		µg/Kg-dry	1	1/31/2014 1:56:00 PM
Surr: 4-Bromofluorobenzene	98.2	0	56-133		%REC	1	1/31/2014 1:56:00 PM
Surr: Dibromofluoromethane	98.4	0	60-132		%REC	1	1/31/2014 1:56:00 PM
Surr: Toluene-d8	99.3	0	69-125		%REC	1	1/31/2014 1:56:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:00:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.0181	0.008	0.0115		mg/Kg-dry	1	2/6/2014 10:57:29 AM
							Analyst: JP
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
							Analyst: SB
Aroclor 1016	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Aroclor 1221	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Aroclor 1232	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Aroclor 1242	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Aroclor 1248	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Aroclor 1254	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Aroclor 1260	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Aroclor 1262	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Aroclor 1268	U	11.5	23		µg/Kg-dry	1	2/11/2014 1:49:00 PM
Surr: DCB	24.0	0	12-144		%REC	1	2/11/2014 1:49:00 PM
Surr: DCB	5.62	0	12-144	S	%REC	1	2/11/2014 2:47:00 AM
Surr: TCX	17.4	0	13-145		%REC	1	2/11/2014 1:49:00 PM
Surr: TCX	21.4	0	13-145		%REC	1	2/11/2014 2:47:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: SB
4,4'-DDD	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
4,4'-DDE	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
4,4'-DDT	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Aldrin	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
alpha-BHC	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
beta-BHC	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Chlordane	U	11.5	23		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Chlorobenzilate	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
DBCP	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
delta-BHC	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Dieldrin	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Endosulfan I	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Endosulfan II	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Endosulfan sulfate	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Endrin	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Endrin aldehyde	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:00:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-001B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endrin ketone	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
gamma-BHC	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Heptachlor	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Heptachlor epoxide	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Hexachlorobenzene	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Hexachlorocyclopentadiene	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Methoxychlor	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Toxaphene	U	14.3	29		µg/Kg-dry	1	2/10/2014 6:15:00 PM
Surr: DCB	22.2	0	16-148		%REC	1	2/10/2014 6:15:00 PM
Surr: TCX	14.1	0	19-145	S	%REC	1	2/10/2014 6:15:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	13	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	16400	1.15	4.62		mg/Kg-dry	10	2/5/2014 2:09:20 PM
Antimony	U	0.23	0.577		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Arsenic	3.65	0.23	0.577		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Barium	39.2	0.23	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Beryllium	U	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Cadmium	U	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Calcium	1200	0.23	0.577		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Chromium	19.9	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Cobalt	U	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Copper	15.9	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Iron	16400	2.31	4.62		mg/Kg-dry	10	2/5/2014 2:09:20 PM
Lead	16.6	0.23	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Magnesium	1970	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Manganese	183	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Nickel	11.6	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Potassium	859	0.23	0.577		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Selenium	U	0.23	0.577		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Silver	U	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Sodium	61.1	0.23	0.577		mg/Kg-dry	1	2/5/2014 12:57:48 PM



ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-2 (0-2)  
 Lab Order: 1401124 Collection Date: 1/30/2014 10:00:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-001B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Thallium	1.19	0.35	0.577		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Vanadium	27.0	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
Zinc	39.0	0.12	0.462		mg/Kg-dry	1	2/5/2014 12:57:48 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
1,2-Dichlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
1,3-Dichlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
1,4-Dichlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2,3,4,6-Tetrachlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2,4,5-Trichlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2,4,6-Trichlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2,4-Dichlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2,4-Dimethylphenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2,4-Dinitrophenol	U	57.3	570	*	µg/Kg-dry	1	2/4/2014 7:41:00 PM
2,4-Dinitrotoluene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2,6-Dinitrotoluene	U	57.3	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2-Chloronaphthalene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2-Chlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2-Methylnaphthalene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2-Methylphenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2-Nitroaniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
2-Nitrophenol	U	57.3	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
3,3'-Dichlorobenzidine	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
3+4-Methylphenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
3-Nitroaniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
4,6-Dinitro-2-methylphenol	U	57.3	570		µg/Kg-dry	1	2/4/2014 7:41:00 PM
4-Bromophenyl phenyl ether	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
4-Chloro-3-methylphenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
4-Chloroaniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
4-Chlorophenyl phenyl ether	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
4-Nitroaniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
4-Nitrophenol	U	57.3	570		µg/Kg-dry	1	2/4/2014 7:41:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:00:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acenaphthene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Acenaphthylene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Acetophenone	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Aniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Anthracene	U	28.6	290	m	µg/Kg-dry	1	2/4/2014 7:41:00 PM
Atrazine	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Azobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzaldehyde	U	57.3	570		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzidine	U	57.3	570		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzo(a)anthracene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzo(a)pyrene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzo(b)fluoranthene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzo(g,h,i)perylene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzo(k)fluoranthene	U	28.6	290	m	µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzoic acid	U	57.3	570	*	µg/Kg-dry	1	2/4/2014 7:41:00 PM
Benzyl alcohol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Biphenyl	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Bis(2-chloroethoxy)methane	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Bis(2-chloroethyl)ether	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Bis(2-chloroisopropyl)ether	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Bis(2-ethylhexyl)phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Butyl benzyl phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Caprolactam	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Carbazole	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Chrysene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Dibenzo(a,h)anthracene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Dibenzofuran	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Diethyl phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Dimethyl phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Di-n-butyl phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Di-n-octyl phthalate	U	57.3	570		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Fluoranthene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Fluorene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:00:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Hexachlorobutadiene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Hexachlorocyclopentadiene	U	57.3	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Hexachloroethane	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Indeno(1,2,3-c,d)pyrene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Isophorone	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Naphthalene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Nitrobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
N-Nitrosodimethylamine	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
N-Nitrosodi-n-propylamine	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
N-Nitrosodiphenylamine	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Parathion	U	57.3	570		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Pentachlorophenol	U	57.3	570	*	µg/Kg-dry	1	2/4/2014 7:41:00 PM
Phenanthrene	U	28.6	290	m	µg/Kg-dry	1	2/4/2014 7:41:00 PM
Phenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Pyrene	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Pyridine	U	28.6	290		µg/Kg-dry	1	2/4/2014 7:41:00 PM
Surr: 2,4,6-Tribromophenol	55.1	0	11-135		%REC	1	2/4/2014 7:41:00 PM
Surr: 2-Fluorobiphenyl	74.3	0	21-143		%REC	1	2/4/2014 7:41:00 PM
Surr: 2-Fluorophenol	79.8	0	14-122		%REC	1	2/4/2014 7:41:00 PM
Surr: 4-Terphenyl-d14	55.7	0	15-137		%REC	1	2/4/2014 7:41:00 PM
Surr: Nitrobenzene-d5	37.8	0	17-136		%REC	1	2/4/2014 7:41:00 PM
Surr: Phenol-d6	68.4	0	10-116		%REC	1	2/4/2014 7:41:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:03:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
1,1,1,2-Tetrachloroethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,1,1-Trichloroethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,1,2,2-Tetrachloroethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,1,2-Trichloroethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,1-Dichloroethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,1-Dichloroethene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,1-Dichloropropene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2,3-Trichlorobenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2,3-Trichloropropane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2,4,5-Tetramethylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2,4-Trichlorobenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2,4-Trimethylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2-Dibromo-3-chloropropane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2-Dibromoethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2-Dichlorobenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2-Dichloroethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,2-Dichloropropane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,3,5-Trimethylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,3-Dichlorobenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,3-dichloropropane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,4-Dichlorobenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
1,4-Dioxane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
2,2-Dichloropropane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
2-Butanone	U	5.27	11		µg/Kg-dry	1	1/31/2014 2:24:00 PM
2-Chloroethyl vinyl ether	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
2-Chlorotoluene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
2-Hexanone	U	5.27	11		µg/Kg-dry	1	1/31/2014 2:24:00 PM
2-Propanol	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
4-Chlorotoluene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
4-Isopropyltoluene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
4-Methyl-2-pentanone	U	5.27	11		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Acetone	5.3	1.32	11	BJ*	µg/Kg-dry	1	1/31/2014 2:24:00 PM



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:03:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-002A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Bromobenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Bromochloromethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Bromodichloromethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Bromoform	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Bromomethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Carbon disulfide	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Carbon tetrachloride	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Chlorobenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Chlorodifluoromethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Chloroethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Chloroform	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Chloromethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
cis-1,2-Dichloroethene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
cis-1,3-Dichloropropene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Cyclohexane	U	2.11	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Dibromochloromethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Dibromomethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Dichlorodifluoromethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Diisopropyl ether	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Ethanol	U	10.5	21		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Ethylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Freon-114	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Hexachlorobutadiene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Isopropylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
m,p-Xylene	U	2.11	11		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Methyl Acetate	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Methyl tert-butyl ether	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Methylene chloride	8.7	1.05	5.3	B*	µg/Kg-dry	1	1/31/2014 2:24:00 PM
Naphthalene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
n-Butylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
n-Propylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
o-Xylene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:03:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-002A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
p-Ethyltoluene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
sec-Butylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Styrene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
t-Butyl alcohol	U	2.63	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
tert-Butylbenzene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Tetrachloroethene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Toluene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
trans-1,2-Dichloroethene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
trans-1,3-Dichloropropene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Trichloroethene	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Trichlorofluoromethane	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Vinyl acetate	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Vinyl chloride	U	1.05	5.3		µg/Kg-dry	1	1/31/2014 2:24:00 PM
Surr: 4-Bromofluorobenzene	98.0	0	56-133		%REC	1	1/31/2014 2:24:00 PM
Surr: Dibromofluoromethane	99.6	0	60-132		%REC	1	1/31/2014 2:24:00 PM
Surr: Toluene-d8	99.8	0	69-125		%REC	1	1/31/2014 2:24:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:03:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	U	0.008	0.0122		mg/Kg-dry	1	2/6/2014 10:59:37 AM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Aroclor 1221	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Aroclor 1232	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Aroclor 1242	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Aroclor 1248	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Aroclor 1254	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Aroclor 1260	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Aroclor 1262	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Aroclor 1268	U	10.4	21		µg/Kg-dry	1	2/11/2014 3:11:00 AM
Surr: DCB	37.2	0	12-144		%REC	1	2/11/2014 3:11:00 AM
Surr: TCX	66.4	0	13-145		%REC	1	2/11/2014 3:11:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
4,4'-DDE	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
4,4'-DDT	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Aldrin	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
alpha-BHC	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
beta-BHC	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Chlordane	U	10.1	20		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Chlorobenzilate	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
DBCP	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
delta-BHC	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Dieldrin	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Endosulfan I	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Endosulfan II	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Endosulfan sulfate	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Endrin	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Endrin aldehyde	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Endrin ketone	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
gamma-BHC	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:03:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-002B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Heptachlor epoxide	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Hexachlorobenzene	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Hexachlorocyclopentadiene	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Methoxychlor	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Toxaphene	U	12.6	25		µg/Kg-dry	1	2/10/2014 6:29:00 PM
Surr: DCB	62.2	0	16-148		%REC	1	2/10/2014 6:29:00 PM
Surr: TCX	42.2	0	19-145		%REC	1	2/10/2014 6:29:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	4.7	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	3030	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Antimony	U	0.21	0.518		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Arsenic	1.13	0.21	0.518		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Barium	16.2	0.21	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Beryllium	U	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Cadmium	U	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Calcium	389	0.21	0.518		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Chromium	10.4	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Cobalt	U	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Copper	9.88	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Iron	11000	2.07	4.15		mg/Kg-dry	10	2/5/2014 2:11:22 PM
Lead	2.87	0.21	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Magnesium	961	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Manganese	262	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Nickel	7.56	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Potassium	354	0.21	0.518		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Selenium	U	0.21	0.518		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Silver	U	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Sodium	34.3	0.21	0.518		mg/Kg-dry	1	2/5/2014 12:59:50 PM
Thallium	0.431	0.31	0.518	J	mg/Kg-dry	1	2/5/2014 12:59:50 PM
Vanadium	14.9	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:03:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Zinc	15.0	0.10	0.415		mg/Kg-dry	1	2/5/2014 12:59:50 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
1,2-Dichlorobenzene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
1,3-Dichlorobenzene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
1,4-Dichlorobenzene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2,3,4,6-Tetrachlorophenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2,4,5-Trichlorophenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2,4,6-Trichlorophenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2,4-Dichlorophenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2,4-Dimethylphenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2,4-Dinitrophenol	U	52.2	520	*	µg/Kg-dry	1	2/4/2014 8:04:00 PM
2,4-Dinitrotoluene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2,6-Dinitrotoluene	U	52.2	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2-Chloronaphthalene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2-Chlorophenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2-Methylnaphthalene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2-Methylphenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2-Nitroaniline	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
2-Nitrophenol	U	52.2	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
3,3'-Dichlorobenzidine	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
3+4-Methylphenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
3-Nitroaniline	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
4,6-Dinitro-2-methylphenol	U	52.2	520		µg/Kg-dry	1	2/4/2014 8:04:00 PM
4-Bromophenyl phenyl ether	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
4-Chloro-3-methylphenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
4-Chloroaniline	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
4-Chlorophenyl phenyl ether	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
4-Nitroaniline	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
4-Nitrophenol	U	52.2	520		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Acenaphthene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Acenaphthylene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM



ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-2 (4-6)  
 Lab Order: 1401124 Collection Date: 1/30/2014 10:03:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-002B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Aniline	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Anthracene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Atrazine	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Azobenzene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzaldehyde	U	52.2	520		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzdine	U	52.2	520		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzo(a)anthracene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzo(a)pyrene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzo(b)fluoranthene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzo(g,h,i)perylene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzo(k)fluoranthene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzoic acid	U	52.2	520	*	µg/Kg-dry	1	2/4/2014 8:04:00 PM
Benzyl alcohol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Biphenyl	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Bis(2-chloroethoxy)methane	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Bis(2-chloroethyl)ether	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Bis(2-chloroisopropyl)ether	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Bis(2-ethylhexyl)phthalate	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Butyl benzyl phthalate	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Caprolactam	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Carbazole	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Chrysene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Dibenzo(a,h)anthracene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Dibenzofuran	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Diethyl phthalate	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Dimethyl phthalate	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Di-n-butyl phthalate	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Di-n-octyl phthalate	U	52.2	520		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Fluoranthene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Fluorene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Hexachlorobenzene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Hexachlorobutadiene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-2 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:03:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	52.2	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Hexachloroethane	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Indeno(1,2,3-c,d)pyrene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Isophorone	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Naphthalene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Nitrobenzene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
N-Nitrosodimethylamine	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
N-Nitrosodi-n-propylamine	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
N-Nitrosodiphenylamine	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Parathion	U	52.2	520		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Pentachlorophenol	U	52.2	520	*	µg/Kg-dry	1	2/4/2014 8:04:00 PM
Phenanthrene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Phenol	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Pyrene	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Pyridine	U	26.1	260		µg/Kg-dry	1	2/4/2014 8:04:00 PM
Surr: 2,4,6-Tribromophenol	90.3	0	11-135		%REC	1	2/4/2014 8:04:00 PM
Surr: 2-Fluorobiphenyl	81.1	0	21-143		%REC	1	2/4/2014 8:04:00 PM
Surr: 2-Fluorophenol	104	0	14-122		%REC	1	2/4/2014 8:04:00 PM
Surr: 4-Terphenyl-d14	84.6	0	15-137		%REC	1	2/4/2014 8:04:00 PM
Surr: Nitrobenzene-d5	74.9	0	17-136		%REC	1	2/4/2014 8:04:00 PM
Surr: Phenol-d6	103	0	10-116		%REC	1	2/4/2014 8:04:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:38:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,1,1-Trichloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,1,2,2-Tetrachloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,1,2-Trichloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,1-Dichloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,1-Dichloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,1-Dichloropropene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2,3-Trichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2,3-Trichloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2,4,5-Tetramethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2,4-Trichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2,4-Trimethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2-Dibromo-3-chloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2-Dibromoethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2-Dichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2-Dichloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,2-Dichloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,3,5-Trimethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,3-Dichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,3-dichloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,4-Dichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
1,4-Dioxane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
2,2-Dichloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
2-Butanone	U	5.74	11		µg/Kg-dry	1	1/31/2014 2:51:00 PM
2-Chloroethyl vinyl ether	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
2-Chlorotoluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
2-Hexanone	U	5.74	11		µg/Kg-dry	1	1/31/2014 2:51:00 PM
2-Propanol	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
4-Chlorotoluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
4-Isopropyltoluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
4-Methyl-2-pentanone	U	5.74	11		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Acetone	6.1	1.44	11	BJ*	µg/Kg-dry	1	1/31/2014 2:51:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:38:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Bromobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Bromochloromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Bromodichloromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Bromoform	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Bromomethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Carbon disulfide	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Carbon tetrachloride	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Chlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Chlorodifluoromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Chloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Chloroform	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Chloromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
cis-1,2-Dichloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
cis-1,3-Dichloropropene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Cyclohexane	U	2.3	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Dibromochloromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Dibromomethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Dichlorodifluoromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Diisopropyl ether	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Ethanol	U	11.5	23		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Ethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Freon-114	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Hexachlorobutadiene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Isopropylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
m,p-Xylene	U	2.3	11		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Methyl Acetate	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Methyl tert-butyl ether	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Methylene chloride	9.1	1.15	5.7	B*	µg/Kg-dry	1	1/31/2014 2:51:00 PM
Naphthalene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
n-Butylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
n-Propylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
o-Xylene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:38:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-003A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
p-Ethyltoluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
sec-Butylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Styrene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
t-Butyl alcohol	U	2.87	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
tert-Butylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Tetrachloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Toluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
trans-1,2-Dichloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
trans-1,3-Dichloropropene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Trichloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Trichlorofluoromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Vinyl acetate	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Vinyl chloride	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 2:51:00 PM
Surr: 4-Bromofluorobenzene	98.5	0	56-133		%REC	1	1/31/2014 2:51:00 PM
Surr: Dibromofluoromethane	98.9	0	60-132		%REC	1	1/31/2014 2:51:00 PM
Surr: Toluene-d8	101	0	69-125		%REC	1	1/31/2014 2:51:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:38:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.0186	0.007	0.0112		mg/Kg-dry	1	2/6/2014 11:06:01 AM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
							Analyst: <b>JP</b>
Aroclor 1016	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Aroclor 1221	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Aroclor 1232	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Aroclor 1242	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Aroclor 1248	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Aroclor 1254	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Aroclor 1260	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Aroclor 1262	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Aroclor 1268	U	11.4	23		µg/Kg-dry	1	2/11/2014 3:36:00 AM
Surr: DCB	12.8	0	12-144		%REC	1	2/11/2014 3:36:00 AM
Surr: TCX	57.0	0	13-145		%REC	1	2/11/2014 3:36:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: <b>SB</b>
4,4'-DDD	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
4,4'-DDE	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
4,4'-DDT	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Aldrin	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
alpha-BHC	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
beta-BHC	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Chlordane	U	11.4	23		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Chlorobenzilate	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
DBCP	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
delta-BHC	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Dieldrin	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Endosulfan I	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Endosulfan II	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Endosulfan sulfate	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Endrin	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Endrin aldehyde	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Endrin ketone	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
gamma-BHC	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:38:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-003B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Heptachlor epoxide	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Hexachlorobenzene	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Hexachlorocyclopentadiene	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Methoxychlor	U	1.14	2.9		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Toxaphene	U	14.3	29		µg/Kg-dry	1	2/10/2014 6:44:00 PM
Surr: DCB	41.5	0	16-148		%REC	1	2/10/2014 6:44:00 PM
Surr: TCX	42.9	0	19-145		%REC	1	2/10/2014 6:44:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	13	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	13900	1.10	4.41		mg/Kg-dry	10	2/5/2014 2:13:23 PM
Antimony	U	0.22	0.551		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Arsenic	4.39	0.22	0.551		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Barium	47.1	0.22	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Beryllium	U	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Cadmium	U	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Calcium	5580	0.22	0.551		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Chromium	17.7	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Cobalt	U	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Copper	20.0	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Iron	15500	2.20	4.41		mg/Kg-dry	10	2/5/2014 2:13:23 PM
Lead	63.7	0.22	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Magnesium	4090	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Manganese	216	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Nickel	11.2	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Potassium	878	0.22	0.551		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Selenium	0.269	0.22	0.551	J	mg/Kg-dry	1	2/5/2014 1:01:51 PM
Silver	U	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Sodium	73.5	0.22	0.551		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Thallium	1.02	0.33	0.551		mg/Kg-dry	1	2/5/2014 1:01:51 PM
Vanadium	25.8	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM

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ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-3 (0-2)  
 Lab Order: 1401124 Collection Date: 1/30/2014 10:38:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-003B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Zinc	54.2	0.11	0.441		mg/Kg-dry	1	2/5/2014 1:01:51 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
1,2-Dichlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
1,3-Dichlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
1,4-Dichlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2,3,4,6-Tetrachlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2,4,5-Trichlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2,4,6-Trichlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2,4-Dichlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2,4-Dimethylphenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2,4-Dinitrophenol	U	57.1	570	*	µg/Kg-dry	1	2/4/2014 8:27:00 PM
2,4-Dinitrotoluene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2,6-Dinitrotoluene	U	57.1	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2-Chloronaphthalene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2-Chlorophenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2-Methylnaphthalene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2-Methylphenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2-Nitroaniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
2-Nitrophenol	U	57.1	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
3,3'-Dichlorobenzidine	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
3+4-Methylphenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
3-Nitroaniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
4,6-Dinitro-2-methylphenol	U	57.1	570		µg/Kg-dry	1	2/4/2014 8:27:00 PM
4-Bromophenyl phenyl ether	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
4-Chloro-3-methylphenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
4-Chloroaniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
4-Chlorophenyl phenyl ether	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
4-Nitroaniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
4-Nitrophenol	U	57.1	570		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Acenaphthene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Acenaphthylene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM



ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-3 (0-2)  
 Lab Order: 1401124 Collection Date: 1/30/2014 10:38:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-003B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Aniline	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Anthracene	U	28.6	290	m	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Atrazine	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Azobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzaldehyde	U	57.1	570		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzdine	U	57.1	570		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzo(a)anthracene	33	28.6	290	J	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzo(a)pyrene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzo(b)fluoranthene	36	28.6	290	J	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzo(g,h,i)perylene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzo(k)fluoranthene	U	28.6	290	m	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzoic acid	U	57.1	570	*	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Benzyl alcohol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Biphenyl	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Bis(2-chloroethoxy)methane	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Bis(2-chloroethyl)ether	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Bis(2-chloroisopropyl)ether	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Bis(2-ethylhexyl)phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Butyl benzyl phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Caprolactam	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Carbazole	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Chrysene	44	28.6	290	Jm	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Dibenzo(a,h)anthracene	U	28.6	290	m	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Dibenzofuran	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Diethyl phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Dimethyl phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Di-n-butyl phthalate	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Di-n-octyl phthalate	U	57.1	570		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Fluoranthene	59	28.6	290	J	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Fluorene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Hexachlorobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Hexachlorobutadiene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM

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ELAP ID : 11418

**CLIENT:** J.R. Holzmacher P.E. LLC **Client Sample ID:** B-3 (0-2)  
**Lab Order:** 1401124 **Collection Date:** 1/30/2014 10:38:00 AM  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa **Matrix:** SOIL  
**Lab ID:** 1401124-003B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	57.1	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Hexachloroethane	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Indeno(1,2,3-c,d)pyrene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Isophorone	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Naphthalene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Nitrobenzene	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
N-Nitrosodimethylamine	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
N-Nitrosodi-n-propylamine	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
N-Nitrosodiphenylamine	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Parathion	U	57.1	570		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Pentachlorophenol	U	57.1	570	*	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Phenanthrene	35	28.6	290	J	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Phenol	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Pyrene	48	28.6	290	J	µg/Kg-dry	1	2/4/2014 8:27:00 PM
Pyridine	U	28.6	290		µg/Kg-dry	1	2/4/2014 8:27:00 PM
Surr: 2,4,6-Tribromophenol	68.2	0	11-135		%REC	1	2/4/2014 8:27:00 PM
Surr: 2-Fluorobiphenyl	74.9	0	21-143		%REC	1	2/4/2014 8:27:00 PM
Surr: 2-Fluorophenol	84.1	0	14-122		%REC	1	2/4/2014 8:27:00 PM
Surr: 4-Terphenyl-d14	61.3	0	15-137		%REC	1	2/4/2014 8:27:00 PM
Surr: Nitrobenzene-d5	63.8	0	17-136		%REC	1	2/4/2014 8:27:00 PM
Surr: Phenol-d6	79.2	0	10-116		%REC	1	2/4/2014 8:27:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:43:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,1,1-Trichloroethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,1,2,2-Tetrachloroethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,1,2-Trichloroethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,1-Dichloroethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,1-Dichloroethene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,1-Dichloropropene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2,3-Trichlorobenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2,3-Trichloropropane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2,4,5-Tetramethylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2,4-Trichlorobenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2,4-Trimethylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2-Dibromo-3-chloropropane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2-Dibromoethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2-Dichlorobenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2-Dichloroethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,2-Dichloropropane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,3,5-Trimethylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,3-Dichlorobenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,3-dichloropropane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,4-Dichlorobenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
1,4-Dioxane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
2,2-Dichloropropane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
2-Butanone	U	5.20	10		µg/Kg-dry	1	1/31/2014 3:19:00 PM
2-Chloroethyl vinyl ether	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
2-Chlorotoluene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
2-Hexanone	U	5.20	10		µg/Kg-dry	1	1/31/2014 3:19:00 PM
2-Propanol	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
4-Chlorotoluene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
4-Isopropyltoluene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
4-Methyl-2-pentanone	U	5.20	10		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Acetone	6.1	1.30	10	BJ*	µg/Kg-dry	1	1/31/2014 3:19:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:43:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-004A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Bromobenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Bromochloromethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Bromodichloromethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Bromoform	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Bromomethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Carbon disulfide	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Carbon tetrachloride	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Chlorobenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Chlorodifluoromethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Chloroethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Chloroform	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Chloromethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
cis-1,2-Dichloroethene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
cis-1,3-Dichloropropene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Cyclohexane	U	2.08	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Dibromochloromethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Dibromomethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Dichlorodifluoromethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Diisopropyl ether	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Ethanol	U	10.4	21		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Ethylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Freon-114	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Hexachlorobutadiene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Isopropylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
m,p-Xylene	U	2.08	10		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Methyl Acetate	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Methyl tert-butyl ether	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Methylene chloride	8.9	1.04	5.2	B*	µg/Kg-dry	1	1/31/2014 3:19:00 PM
Naphthalene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
n-Butylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
n-Propylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
o-Xylene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:43:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-004A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
p-Ethyltoluene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
sec-Butylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Styrene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
t-Butyl alcohol	U	2.60	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
tert-Butylbenzene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Tetrachloroethene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Toluene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
trans-1,2-Dichloroethene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
trans-1,3-Dichloropropene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Trichloroethene	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Trichlorofluoromethane	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Vinyl acetate	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Vinyl chloride	U	1.04	5.2		µg/Kg-dry	1	1/31/2014 3:19:00 PM
Surr: 4-Bromofluorobenzene	97.6	0	56-133		%REC	1	1/31/2014 3:19:00 PM
Surr: Dibromofluoromethane	103	0	60-132		%REC	1	1/31/2014 3:19:00 PM
Surr: Toluene-d8	101	0	69-125		%REC	1	1/31/2014 3:19:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:43:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	U	0.008	0.0123		mg/Kg-dry	1	2/6/2014 11:08:10 AM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Aroclor 1221	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Aroclor 1232	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Aroclor 1242	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Aroclor 1248	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Aroclor 1254	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Aroclor 1260	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Aroclor 1262	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Aroclor 1268	U	10.2	20		µg/Kg-dry	1	2/11/2014 4:00:00 AM
Surr: DCB	19.1	0	12-144		%REC	1	2/11/2014 4:00:00 AM
Surr: TCX	50.0	0	13-145		%REC	1	2/11/2014 4:00:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
4,4'-DDE	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
4,4'-DDT	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Aldrin	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
alpha-BHC	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
beta-BHC	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Chlordane	U	10.2	20		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Chlorobenzilate	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
DBCP	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
delta-BHC	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Dieldrin	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Endosulfan I	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Endosulfan II	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Endosulfan sulfate	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Endrin	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Endrin aldehyde	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Endrin ketone	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
gamma-BHC	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:43:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Heptachlor epoxide	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Hexachlorobenzene	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Hexachlorocyclopentadiene	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Methoxychlor	U	1.02	2.6		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Toxaphene	U	12.8	26		µg/Kg-dry	1	2/10/2014 6:58:00 PM
Surr: DCB	42.9	0	16-148		%REC	1	2/10/2014 6:58:00 PM
Surr: TCX	32.0	0	19-145		%REC	1	2/10/2014 6:58:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	4.7	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	2750	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Antimony	U	0.19	0.482		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Arsenic	0.857	0.19	0.482		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Barium	12.9	0.19	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Beryllium	U	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Cadmium	U	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Calcium	695	0.19	0.482		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Chromium	8.83	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Cobalt	U	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Copper	6.52	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Iron	7950	1.93	3.86		mg/Kg-dry	10	2/5/2014 2:15:24 PM
Lead	2.99	0.19	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Magnesium	1100	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Manganese	165	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Nickel	7.37	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Potassium	340	0.19	0.482		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Selenium	U	0.19	0.482		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Silver	U	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Sodium	29.3	0.19	0.482		mg/Kg-dry	1	2/5/2014 1:03:53 PM
Thallium	0.412	0.29	0.482	J	mg/Kg-dry	1	2/5/2014 1:03:53 PM
Vanadium	9.19	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM



ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-3 (4-6)  
 Lab Order: 1401124 Collection Date: 1/30/2014 10:43:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-004B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
Zinc	12.0	0.1	0.386		mg/Kg-dry	1	2/5/2014 1:03:53 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
							Analyst: <b>JP</b>
							Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
1,2-Dichlorobenzene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
1,3-Dichlorobenzene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
1,4-Dichlorobenzene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2,3,4,6-Tetrachlorophenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2,4,5-Trichlorophenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2,4,6-Trichlorophenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2,4-Dichlorophenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2,4-Dimethylphenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2,4-Dinitrophenol	U	52.0	520	*	µg/Kg-dry	1	2/4/2014 8:50:00 PM
2,4-Dinitrotoluene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2,6-Dinitrotoluene	U	52.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2-Chloronaphthalene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2-Chlorophenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2-Methylnaphthalene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2-Methylphenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2-Nitroaniline	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
2-Nitrophenol	U	52.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
3,3'-Dichlorobenzidine	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
3+4-Methylphenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
3-Nitroaniline	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
4,6-Dinitro-2-methylphenol	U	52.0	520		µg/Kg-dry	1	2/4/2014 8:50:00 PM
4-Bromophenyl phenyl ether	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
4-Chloro-3-methylphenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
4-Chloroaniline	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
4-Chlorophenyl phenyl ether	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
4-Nitroaniline	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
4-Nitrophenol	U	52.0	520		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Acenaphthene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Acenaphthylene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:43:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Aniline	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Anthracene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Atrazine	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Azobenzene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzaldehyde	U	52.0	520		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzdine	U	52.0	520		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzo(a)anthracene	U	26.0	260	m	µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzo(a)pyrene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzo(b)fluoranthene	U	26.0	260	m	µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzo(g,h,i)perylene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzo(k)fluoranthene	U	26.0	260	m	µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzoic acid	U	52.0	520	*	µg/Kg-dry	1	2/4/2014 8:50:00 PM
Benzyl alcohol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Biphenyl	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Bis(2-chloroethoxy)methane	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Bis(2-chloroethyl)ether	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Bis(2-chloroisopropyl)ether	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Bis(2-ethylhexyl)phthalate	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Butyl benzyl phthalate	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Caprolactam	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Carbazole	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Chrysene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Dibenzo(a,h)anthracene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Dibenzofuran	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Diethyl phthalate	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Dimethyl phthalate	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Di-n-butyl phthalate	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Di-n-octyl phthalate	U	52.0	520		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Fluoranthene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Fluorene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Hexachlorobenzene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Hexachlorobutadiene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-3 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 10:43:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	52.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Hexachloroethane	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Indeno(1,2,3-c,d)pyrene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Isophorone	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Naphthalene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Nitrobenzene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
N-Nitrosodimethylamine	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
N-Nitrosodi-n-propylamine	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
N-Nitrosodiphenylamine	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Parathion	U	52.0	520		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Pentachlorophenol	U	52.0	520	*	µg/Kg-dry	1	2/4/2014 8:50:00 PM
Phenanthrene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Phenol	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Pyrene	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Pyridine	U	26.0	260		µg/Kg-dry	1	2/4/2014 8:50:00 PM
Surr: 2,4,6-Tribromophenol	88.9	0	11-135		%REC	1	2/4/2014 8:50:00 PM
Surr: 2-Fluorobiphenyl	77.1	0	21-143		%REC	1	2/4/2014 8:50:00 PM
Surr: 2-Fluorophenol	97.5	0	14-122		%REC	1	2/4/2014 8:50:00 PM
Surr: 4-Terphenyl-d14	82.4	0	15-137		%REC	1	2/4/2014 8:50:00 PM
Surr: Nitrobenzene-d5	57.4	0	17-136		%REC	1	2/4/2014 8:50:00 PM
Surr: Phenol-d6	99.9	0	10-116		%REC	1	2/4/2014 8:50:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:15:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,1,1-Trichloroethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,1,2,2-Tetrachloroethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,1,2-Trichloroethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,1-Dichloroethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,1-Dichloroethene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,1-Dichloropropene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2,3-Trichlorobenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2,3-Trichloropropane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2,4,5-Tetramethylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2,4-Trichlorobenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2,4-Trimethylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2-Dibromo-3-chloropropane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2-Dibromoethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2-Dichlorobenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2-Dichloroethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,2-Dichloropropane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,3,5-Trimethylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,3-Dichlorobenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,3-dichloropropane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,4-Dichlorobenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
1,4-Dioxane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
2,2-Dichloropropane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
2-Butanone	U	5.83	12		µg/Kg-dry	1	1/31/2014 3:46:00 PM
2-Chloroethyl vinyl ether	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
2-Chlorotoluene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
2-Hexanone	U	5.83	12		µg/Kg-dry	1	1/31/2014 3:46:00 PM
2-Propanol	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
4-Chlorotoluene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
4-Isopropyltoluene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
4-Methyl-2-pentanone	U	5.83	12		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Acetone	7.2	1.46	12	BJ*	µg/Kg-dry	1	1/31/2014 3:46:00 PM

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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:15:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-005A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>							
			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Bromobenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Bromochloromethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Bromodichloromethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Bromoform	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Bromomethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Carbon disulfide	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Carbon tetrachloride	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Chlorobenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Chlorodifluoromethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Chloroethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Chloroform	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Chloromethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
cis-1,2-Dichloroethene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
cis-1,3-Dichloropropene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Cyclohexane	U	2.33	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Dibromochloromethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Dibromomethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Dichlorodifluoromethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Diisopropyl ether	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Ethanol	U	11.7	23		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Ethylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Freon-114	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Hexachlorobutadiene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Isopropylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
m,p-Xylene	U	2.33	12		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Methyl Acetate	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Methyl tert-butyl ether	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Methylene chloride	11	1.17	5.8	B*	µg/Kg-dry	1	1/31/2014 3:46:00 PM
Naphthalene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
n-Butylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
n-Propylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
o-Xylene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM

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**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC

**Client Sample ID:** B-6 (0-2)

**Lab Order:** 1401124

**Collection Date:** 1/30/2014 9:15:00 AM

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**Matrix:** SOIL

**Lab ID:** 1401124-005A

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
p-Diethylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
p-Ethyltoluene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
sec-Butylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Styrene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
t-Butyl alcohol	U	2.91	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
tert-Butylbenzene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Tetrachloroethene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Toluene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
trans-1,2-Dichloroethene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
trans-1,3-Dichloropropene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Trichloroethene	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Trichlorofluoromethane	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Vinyl acetate	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Vinyl chloride	U	1.17	5.8		µg/Kg-dry	1	1/31/2014 3:46:00 PM
Surr: 4-Bromofluorobenzene	96.7	0	56-133		%REC	1	1/31/2014 3:46:00 PM
Surr: Dibromofluoromethane	100	0	60-132		%REC	1	1/31/2014 3:46:00 PM
Surr: Toluene-d8	100	0	69-125		%REC	1	1/31/2014 3:46:00 PM



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:15:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.0208	0.01	0.0143		mg/Kg-dry	1	2/6/2014 11:10:19 AM
							Analyst: <b>JP</b>
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
							Analyst: <b>SB</b>
Aroclor 1016	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Aroclor 1221	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Aroclor 1232	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Aroclor 1242	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Aroclor 1248	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Aroclor 1254	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Aroclor 1260	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Aroclor 1262	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Aroclor 1268	U	11.8	24		µg/Kg-dry	1	2/11/2014 2:13:00 PM
Surr: DCB	66.9	0	12-144		%REC	1	2/11/2014 2:13:00 PM
Surr: DCB	14.5	0	12-144		%REC	1	2/11/2014 4:25:00 AM
Surr: TCX	60.7	0	13-145		%REC	1	2/11/2014 4:25:00 AM
Surr: TCX	51.4	0	13-145		%REC	1	2/11/2014 2:13:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: <b>SB</b>
4,4'-DDD	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
4,4'-DDE	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
4,4'-DDT	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Aldrin	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
alpha-BHC	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
beta-BHC	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Chlordane	U	11.8	24		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Chlorobenzilate	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
DBCP	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
delta-BHC	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Dieldrin	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Endosulfan I	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Endosulfan II	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Endosulfan sulfate	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Endrin	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Endrin aldehyde	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:15:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							Analyst: <b>SB</b>
			<b>SW8081B</b>		<b>SW3546</b>		
Endrin ketone	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
gamma-BHC	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Heptachlor	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Heptachlor epoxide	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Hexachlorobenzene	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Hexachlorocyclopentadiene	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Methoxychlor	U	1.18	3.0		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Toxaphene	U	14.8	30		µg/Kg-dry	1	2/10/2014 7:13:00 PM
Surr: DCB	50.0	0	16-148		%REC	1	2/10/2014 7:13:00 PM
Surr: TCX	50.5	0	19-145		%REC	1	2/10/2014 7:13:00 PM
<b>PERCENT MOISTURE</b>							Analyst: <b>CF</b>
			<b>D2216</b>				
Percent Moisture	16	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							Analyst: <b>JP</b>
			<b>SW6010C</b>		<b>SW3050B</b>		
Aluminum	11100	1.16	4.64		mg/Kg-dry	10	2/5/2014 2:17:26 PM
Antimony	U	0.23	0.580		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Arsenic	3.36	0.23	0.580		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Barium	73.9	0.23	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Beryllium	U	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Cadmium	U	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Calcium	1590	0.23	0.580		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Chromium	17.4	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Cobalt	U	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Copper	10.6	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Iron	13400	2.32	4.64		mg/Kg-dry	10	2/5/2014 2:17:26 PM
Lead	15.5	0.23	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Magnesium	2030	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Manganese	478	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Nickel	11.3	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Potassium	659	0.23	0.580		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Selenium	0.365	0.23	0.580	J	mg/Kg-dry	1	2/5/2014 1:05:53 PM
Silver	U	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Sodium	118	0.23	0.580		mg/Kg-dry	1	2/5/2014 1:05:53 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:15:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
							Analyst: <b>JP</b>
Thallium	1.03	0.35	0.580		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Vanadium	24.5	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
Zinc	31.7	0.12	0.464		mg/Kg-dry	1	2/5/2014 1:05:53 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
							Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
1,2-Dichlorobenzene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
1,3-Dichlorobenzene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
1,4-Dichlorobenzene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2,3,4,6-Tetrachlorophenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2,4,5-Trichlorophenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2,4,6-Trichlorophenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2,4-Dichlorophenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2,4-Dimethylphenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2,4-Dinitrophenol	U	59	590	*	µg/Kg-dry	1	2/4/2014 9:13:00 PM
2,4-Dinitrotoluene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2,6-Dinitrotoluene	U	59	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2-Chloronaphthalene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2-Chlorophenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2-Methylnaphthalene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2-Methylphenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2-Nitroaniline	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
2-Nitrophenol	U	59	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
3,3'-Dichlorobenzidine	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
3+4-Methylphenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
3-Nitroaniline	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
4,6-Dinitro-2-methylphenol	U	59	590		µg/Kg-dry	1	2/4/2014 9:13:00 PM
4-Bromophenyl phenyl ether	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
4-Chloro-3-methylphenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
4-Chloroaniline	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
4-Chlorophenyl phenyl ether	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
4-Nitroaniline	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
4-Nitrophenol	U	59	590		µg/Kg-dry	1	2/4/2014 9:13:00 PM



ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-6 (0-2)  
 Lab Order: 1401124 Collection Date: 1/30/2014 9:15:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-005B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acenaphthene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Acenaphthylene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Acetophenone	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Aniline	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Anthracene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Atrazine	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Azobenzene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzaldehyde	U	59	590		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzdine	U	59	590		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzo(a)anthracene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzo(a)pyrene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzo(b)fluoranthene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzo(g,h,i)perylene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzo(k)fluoranthene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzoic acid	U	59	590	*	µg/Kg-dry	1	2/4/2014 9:13:00 PM
Benzyl alcohol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Biphenyl	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Bis(2-chloroethoxy)methane	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Bis(2-chloroethyl)ether	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Bis(2-chloroisopropyl)ether	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Bis(2-ethylhexyl)phthalate	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Butyl benzyl phthalate	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Caprolactam	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Carbazole	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Chrysene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Dibenzo(a,h)anthracene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Dibenzofuran	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Diethyl phthalate	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Dimethyl phthalate	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Di-n-butyl phthalate	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Di-n-octyl phthalate	U	59	590		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Fluoranthene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Fluorene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:15:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorobenzene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Hexachlorobutadiene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Hexachlorocyclopentadiene	U	59	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Hexachloroethane	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Indeno(1,2,3-c,d)pyrene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Isophorone	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Naphthalene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Nitrobenzene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
N-Nitrosodimethylamine	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
N-Nitrosodi-n-propylamine	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
N-Nitrosodiphenylamine	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Parathion	U	59	590		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Pentachlorophenol	U	59	590	*	µg/Kg-dry	1	2/4/2014 9:13:00 PM
Phenanthrene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Phenol	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Pyrene	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Pyridine	U	29.5	290		µg/Kg-dry	1	2/4/2014 9:13:00 PM
Surr: 2,4,6-Tribromophenol	72.3	0	11-135		%REC	1	2/4/2014 9:13:00 PM
Surr: 2-Fluorobiphenyl	71.4	0	21-143		%REC	1	2/4/2014 9:13:00 PM
Surr: 2-Fluorophenol	86.1	0	14-122		%REC	1	2/4/2014 9:13:00 PM
Surr: 4-Terphenyl-d14	62.1	0	15-137		%REC	1	2/4/2014 9:13:00 PM
Surr: Nitrobenzene-d5	68.3	0	17-136		%REC	1	2/4/2014 9:13:00 PM
Surr: Phenol-d6	84.7	0	10-116		%REC	1	2/4/2014 9:13:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:20:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-006A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,1,1-Trichloroethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,1,2,2-Tetrachloroethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,1,2-Trichloroethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,1-Dichloroethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,1-Dichloroethene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,1-Dichloropropene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2,3-Trichlorobenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2,3-Trichloropropane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2,4,5-Tetramethylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2,4-Trichlorobenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2,4-Trimethylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2-Dibromo-3-chloropropane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2-Dibromoethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2-Dichlorobenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2-Dichloroethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,2-Dichloropropane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,3,5-Trimethylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,3-Dichlorobenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,3-dichloropropane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,4-Dichlorobenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
1,4-Dioxane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
2,2-Dichloropropane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
2-Butanone	U	5.42	11		µg/Kg-dry	1	1/31/2014 4:14:00 PM
2-Chloroethyl vinyl ether	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
2-Chlorotoluene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
2-Hexanone	U	5.42	11		µg/Kg-dry	1	1/31/2014 4:14:00 PM
2-Propanol	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
4-Chlorotoluene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
4-Isopropyltoluene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
4-Methyl-2-pentanone	U	5.42	11		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Acetone	7.5	1.35	11	BJ*	µg/Kg-dry	1	1/31/2014 4:14:00 PM



**ELAP ID :** 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:20:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-006A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>							
			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Bromobenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Bromochloromethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Bromodichloromethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Bromoform	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Bromomethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Carbon disulfide	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Carbon tetrachloride	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Chlorobenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Chlorodifluoromethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Chloroethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Chloroform	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Chloromethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
cis-1,2-Dichloroethene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
cis-1,3-Dichloropropene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Cyclohexane	U	2.17	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Dibromochloromethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Dibromomethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Dichlorodifluoromethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Diisopropyl ether	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Ethanol	U	10.8	22		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Ethylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Freon-114	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Hexachlorobutadiene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Isopropylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
m,p-Xylene	U	2.17	11		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Methyl Acetate	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Methyl tert-butyl ether	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Methylene chloride	9.3	1.08	5.4	B*	µg/Kg-dry	1	1/31/2014 4:14:00 PM
Naphthalene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
n-Butylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
n-Propylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
o-Xylene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM

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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:20:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-006A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
p-Ethyltoluene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
sec-Butylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Styrene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
t-Butyl alcohol	U	2.71	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
tert-Butylbenzene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Tetrachloroethene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Toluene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
trans-1,2-Dichloroethene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
trans-1,3-Dichloropropene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Trichloroethene	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Trichlorofluoromethane	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Vinyl acetate	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Vinyl chloride	U	1.08	5.4		µg/Kg-dry	1	1/31/2014 4:14:00 PM
Surr: 4-Bromofluorobenzene	97.6	0	56-133		%REC	1	1/31/2014 4:14:00 PM
Surr: Dibromofluoromethane	102	0	60-132		%REC	1	1/31/2014 4:14:00 PM
Surr: Toluene-d8	99.4	0	69-125		%REC	1	1/31/2014 4:14:00 PM



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:20:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-006B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	U	0.008	0.0122		mg/Kg-dry	1	2/6/2014 11:12:28 AM
							Analyst: <b>JP</b>
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
							Analyst: <b>SB</b>
Aroclor 1016	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Aroclor 1221	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Aroclor 1232	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Aroclor 1242	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Aroclor 1248	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Aroclor 1254	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Aroclor 1260	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Aroclor 1262	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Aroclor 1268	U	10.7	21		µg/Kg-dry	1	2/11/2014 2:38:00 PM
Surr: DCB	50.9	0	12-144		%REC	1	2/11/2014 2:38:00 PM
Surr: DCB	5.92	0	12-144	S	%REC	1	2/11/2014 4:49:00 AM
Surr: TCX	41.6	0	13-145		%REC	1	2/11/2014 4:49:00 AM
Surr: TCX	57.4	0	13-145		%REC	1	2/11/2014 2:38:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: <b>SB</b>
4,4'-DDD	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
4,4'-DDE	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
4,4'-DDT	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Aldrin	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
alpha-BHC	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
beta-BHC	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Chlordane	U	10.7	21		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Chlorobenzilate	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
DBCP	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
delta-BHC	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Dieldrin	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Endosulfan I	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Endosulfan II	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Endosulfan sulfate	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Endrin	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Endrin aldehyde	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:20:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-006B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endrin ketone	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
gamma-BHC	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Heptachlor	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Heptachlor epoxide	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Hexachlorobenzene	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Hexachlorocyclopentadiene	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Methoxychlor	U	1.07	2.7		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Toxaphene	U	13.4	27		µg/Kg-dry	1	2/10/2014 7:27:00 PM
Surr: DCB	38.3	0	16-148		%REC	1	2/10/2014 7:27:00 PM
Surr: TCX	33.9	0	19-145		%REC	1	2/10/2014 7:27:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	7.2	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	2440	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Antimony	U	0.20	0.510		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Arsenic	1.06	0.20	0.510		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Barium	15.6	0.20	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Beryllium	U	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Cadmium	U	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Calcium	3850	0.20	0.510		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Chromium	12.0	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Cobalt	U	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Copper	8.39	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Iron	7770	2.04	4.08		mg/Kg-dry	10	2/5/2014 2:19:28 PM
Lead	4.33	0.20	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Magnesium	2690	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Manganese	191	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Nickel	6.72	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Potassium	461	0.20	0.510		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Selenium	U	0.20	0.510		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Silver	U	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Sodium	50.8	0.20	0.510		mg/Kg-dry	1	2/5/2014 1:07:54 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:20:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-006B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Thallium	0.346	0.31	0.510	J	mg/Kg-dry	1	2/5/2014 1:07:54 PM
Vanadium	10.7	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
Zinc	13.1	0.10	0.408		mg/Kg-dry	1	2/5/2014 1:07:54 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
1,2-Dichlorobenzene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
1,3-Dichlorobenzene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
1,4-Dichlorobenzene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2,3,4,6-Tetrachlorophenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2,4,5-Trichlorophenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2,4,6-Trichlorophenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2,4-Dichlorophenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2,4-Dimethylphenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2,4-Dinitrophenol	U	53.6	540	*	µg/Kg-dry	1	2/4/2014 9:36:00 PM
2,4-Dinitrotoluene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2,6-Dinitrotoluene	U	53.6	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2-Chloronaphthalene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2-Chlorophenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2-Methylnaphthalene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2-Methylphenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2-Nitroaniline	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
2-Nitrophenol	U	53.6	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
3,3'-Dichlorobenzidine	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
3+4-Methylphenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
3-Nitroaniline	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
4,6-Dinitro-2-methylphenol	U	53.6	540		µg/Kg-dry	1	2/4/2014 9:36:00 PM
4-Bromophenyl phenyl ether	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
4-Chloro-3-methylphenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
4-Chloroaniline	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
4-Chlorophenyl phenyl ether	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
4-Nitroaniline	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
4-Nitrophenol	U	53.6	540		µg/Kg-dry	1	2/4/2014 9:36:00 PM



ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-6 (4-6)  
 Lab Order: 1401124 Collection Date: 1/30/2014 9:20:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-006B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acenaphthene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Acenaphthylene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Acetophenone	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Aniline	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Anthracene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Atrazine	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Azobenzene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzaldehyde	U	53.6	540		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzidine	U	53.6	540		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzo(a)anthracene	U	26.8	270	m	µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzo(a)pyrene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzo(b)fluoranthene	U	26.8	270	m	µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzo(g,h,i)perylene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzo(k)fluoranthene	U	26.8	270	m	µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzoic acid	U	53.6	540	*	µg/Kg-dry	1	2/4/2014 9:36:00 PM
Benzyl alcohol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Biphenyl	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Bis(2-chloroethoxy)methane	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Bis(2-chloroethyl)ether	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Bis(2-chloroisopropyl)ether	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Bis(2-ethylhexyl)phthalate	61	26.8	270	J	µg/Kg-dry	1	2/4/2014 9:36:00 PM
Butyl benzyl phthalate	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Caprolactam	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Carbazole	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Chrysene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Dibenzo(a,h)anthracene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Dibenzofuran	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Diethyl phthalate	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Dimethyl phthalate	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Di-n-butyl phthalate	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Di-n-octyl phthalate	U	53.6	540		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Fluoranthene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Fluorene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-6 (4-6)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 9:20:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-006B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorobenzene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Hexachlorobutadiene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Hexachlorocyclopentadiene	U	53.6	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Hexachloroethane	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Indeno(1,2,3-c,d)pyrene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Isophorone	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Naphthalene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Nitrobenzene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
N-Nitrosodimethylamine	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
N-Nitrosodi-n-propylamine	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
N-Nitrosodiphenylamine	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Parathion	U	53.6	540		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Pentachlorophenol	U	53.6	540	*	µg/Kg-dry	1	2/4/2014 9:36:00 PM
Phenanthrene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Phenol	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Pyrene	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Pyridine	U	26.8	270		µg/Kg-dry	1	2/4/2014 9:36:00 PM
Surr: 2,4,6-Tribromophenol	94.5	0	11-135		%REC	1	2/4/2014 9:36:00 PM
Surr: 2-Fluorobiphenyl	75.8	0	21-143		%REC	1	2/4/2014 9:36:00 PM
Surr: 2-Fluorophenol	94.8	0	14-122		%REC	1	2/4/2014 9:36:00 PM
Surr: 4-Terphenyl-d14	85.4	0	15-137		%REC	1	2/4/2014 9:36:00 PM
Surr: Nitrobenzene-d5	47.7	0	17-136		%REC	1	2/4/2014 9:36:00 PM
Surr: Phenol-d6	98.5	0	10-116		%REC	1	2/4/2014 9:36:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:50:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-007A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,1,1-Trichloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,1,2,2-Tetrachloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,1,2-Trichloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,1-Dichloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,1-Dichloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,1-Dichloropropene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2,3-Trichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2,3-Trichloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2,4,5-Tetramethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2,4-Trichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2,4-Trimethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2-Dibromo-3-chloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2-Dibromoethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2-Dichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2-Dichloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,2-Dichloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,3,5-Trimethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,3-Dichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,3-dichloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,4-Dichlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
1,4-Dioxane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
2,2-Dichloropropane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
2-Butanone	U	5.73	11		µg/Kg-dry	1	1/31/2014 4:41:00 PM
2-Chloroethyl vinyl ether	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
2-Chlorotoluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
2-Hexanone	U	5.73	11		µg/Kg-dry	1	1/31/2014 4:41:00 PM
2-Propanol	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
4-Chlorotoluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
4-Isopropyltoluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
4-Methyl-2-pentanone	U	5.73	11		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Acetone	10	1.43	11	BJ*	µg/Kg-dry	1	1/31/2014 4:41:00 PM



**ELAP ID :** 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:50:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-007A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Bromobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Bromochloromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Bromodichloromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Bromoform	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Bromomethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Carbon disulfide	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Carbon tetrachloride	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Chlorobenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Chlorodifluoromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Chloroethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Chloroform	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Chloromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
cis-1,2-Dichloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
cis-1,3-Dichloropropene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Cyclohexane	U	2.29	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Dibromochloromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Dibromomethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Dichlorodifluoromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Diisopropyl ether	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Ethanol	U	11.5	23		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Ethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Freon-114	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Hexachlorobutadiene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Isopropylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
m,p-Xylene	U	2.29	11		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Methyl Acetate	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Methyl tert-butyl ether	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Methylene chloride	11	1.15	5.7	B*	µg/Kg-dry	1	1/31/2014 4:41:00 PM
Naphthalene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
n-Butylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
n-Propylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
o-Xylene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC

**Client Sample ID:** B-7 (0-2)

**Lab Order:** 1401124

**Collection Date:** 1/30/2014 8:50:00 AM

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**Matrix:** SOIL

**Lab ID:** 1401124-007A

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
p-Diethylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
p-Ethyltoluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
sec-Butylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Styrene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
t-Butyl alcohol	U	2.87	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
tert-Butylbenzene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Tetrachloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Toluene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
trans-1,2-Dichloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
trans-1,3-Dichloropropene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Trichloroethene	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Trichlorofluoromethane	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Vinyl acetate	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Vinyl chloride	U	1.15	5.7		µg/Kg-dry	1	1/31/2014 4:41:00 PM
Surr: 4-Bromofluorobenzene	98.4	0	56-133		%REC	1	1/31/2014 4:41:00 PM
Surr: Dibromofluoromethane	100	0	60-132		%REC	1	1/31/2014 4:41:00 PM
Surr: Toluene-d8	100	0	69-125		%REC	1	1/31/2014 4:41:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:50:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-007B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
					<b>SW7471B</b>	<b>SW7471B</b>	Analyst: <b>JP</b>
Mercury	0.211	0.009	0.0137		mg/Kg-dry	1	2/6/2014 11:14:43 AM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
					<b>SW8082A</b>	<b>SW3546</b>	Analyst: <b>SB</b>
Aroclor 1016	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Aroclor 1221	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Aroclor 1232	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Aroclor 1242	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Aroclor 1248	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Aroclor 1254	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Aroclor 1260	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Aroclor 1262	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Aroclor 1268	U	11.5	23		µg/Kg-dry	1	2/11/2014 5:14:00 AM
Surr: DCB	34.1	0	12-144		%REC	1	2/11/2014 5:14:00 AM
Surr: TCX	65.9	0	13-145		%REC	1	2/11/2014 5:14:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
					<b>SW8081B</b>	<b>SW3546</b>	Analyst: <b>SB</b>
4,4'-DDD	1.2	1.15	2.9	J	µg/Kg-dry	1	2/10/2014 7:41:00 PM
4,4'-DDE	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
4,4'-DDT	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Aldrin	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
alpha-BHC	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
beta-BHC	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Chlordane	U	11.5	23		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Chlorobenzilate	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
DBCP	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
delta-BHC	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Dieldrin	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Endosulfan I	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Endosulfan II	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Endosulfan sulfate	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Endrin	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Endrin aldehyde	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Endrin ketone	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
gamma-BHC	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:50:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-007B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Heptachlor epoxide	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Hexachlorobenzene	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Hexachlorocyclopentadiene	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Methoxychlor	U	1.15	2.9		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Toxaphene	U	14.3	29		µg/Kg-dry	1	2/10/2014 7:41:00 PM
Surr: DCB	52.7	0	16-148		%REC	1	2/10/2014 7:41:00 PM
Surr: TCX	63.5	0	19-145		%REC	1	2/10/2014 7:41:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	13	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	11600	1.14	4.56		mg/Kg-dry	10	2/5/2014 2:21:30 PM
Antimony	U	0.23	0.570		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Arsenic	6.69	0.23	0.570		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Barium	116	0.23	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Beryllium	U	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Cadmium	0.410	0.11	0.456	J	mg/Kg-dry	1	2/5/2014 1:09:56 PM
Calcium	2890	0.23	0.570		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Chromium	17.8	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Cobalt	U	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Copper	39.9	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Iron	15100	2.28	4.56		mg/Kg-dry	10	2/5/2014 2:21:30 PM
Lead	194	0.23	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Magnesium	2550	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Manganese	347	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Nickel	13.5	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Potassium	728	0.23	0.570		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Selenium	0.416	0.23	0.570	J	mg/Kg-dry	1	2/5/2014 1:09:56 PM
Silver	0.165	0.11	0.456	J	mg/Kg-dry	1	2/5/2014 1:09:56 PM
Sodium	121	0.23	0.570		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Thallium	0.660	0.34	0.570		mg/Kg-dry	1	2/5/2014 1:09:56 PM
Vanadium	24.4	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:50:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-007B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>							
Zinc	144	0.11	0.456		mg/Kg-dry	1	2/5/2014 1:09:56 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
							Analyst: <b>JP</b>
							Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
1,2-Dichlorobenzene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
1,3-Dichlorobenzene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
1,4-Dichlorobenzene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2,3,4,6-Tetrachlorophenol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2,4,5-Trichlorophenol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2,4,6-Trichlorophenol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2,4-Dichlorophenol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2,4-Dimethylphenol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2,4-Dinitrophenol	U	56.8	570	*	µg/Kg-dry	1	2/4/2014 9:59:00 PM
2,4-Dinitrotoluene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2,6-Dinitrotoluene	U	56.8	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2-Chloronaphthalene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2-Chlorophenol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2-Methylnaphthalene	37	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
2-Methylphenol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2-Nitroaniline	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
2-Nitrophenol	U	56.8	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
3,3'-Dichlorobenzidine	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
3+4-Methylphenol	210	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
3-Nitroaniline	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
4,6-Dinitro-2-methylphenol	U	56.8	570		µg/Kg-dry	1	2/4/2014 9:59:00 PM
4-Bromophenyl phenyl ether	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
4-Chloro-3-methylphenol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
4-Chloroaniline	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
4-Chlorophenyl phenyl ether	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
4-Nitroaniline	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
4-Nitrophenol	U	56.8	570		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Acenaphthene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Acenaphthylene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM



ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-7 (0-2)  
 Lab Order: 1401124 Collection Date: 1/30/2014 8:50:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-007B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Acetophenone	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Aniline	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Anthracene	45	28.4	280	Jm	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Atrazine	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Azobenzene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzaldehyde	U	56.8	570		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzidine	U	56.8	570		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzo(a)anthracene	190	28.4	280	Jm	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzo(a)pyrene	160	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzo(b)fluoranthene	190	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzo(g,h,i)perylene	130	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzo(k)fluoranthene	160	28.4	280	Jm	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzoic acid	110	56.8	570	J*	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Benzyl alcohol	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Biphenyl	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Bis(2-chloroethoxy)methane	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Bis(2-chloroethyl)ether	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Bis(2-chloroisopropyl)ether	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Bis(2-ethylhexyl)phthalate	43	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Butyl benzyl phthalate	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Caprolactam	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Carbazole	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Chrysene	240	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Dibenzo(a,h)anthracene	31	28.4	280	Jm	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Dibenzofuran	29	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Diethyl phthalate	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Dimethyl phthalate	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Di-n-butyl phthalate	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Di-n-octyl phthalate	U	56.8	570		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Fluoranthene	410	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Fluorene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Hexachlorobenzene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Hexachlorobutadiene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (0-2)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:50:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-007B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	56.8	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Hexachloroethane	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Indeno(1,2,3-c,d)pyrene	150	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Isophorone	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Naphthalene	92	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Nitrobenzene	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
N-Nitrosodimethylamine	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
N-Nitrosodi-n-propylamine	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
N-Nitrosodiphenylamine	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Parathion	U	56.8	570		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Pentachlorophenol	U	56.8	570	*	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Phenanthrene	240	28.4	280	Jm	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Phenol	67	28.4	280	J	µg/Kg-dry	1	2/4/2014 9:59:00 PM
Pyrene	360	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Pyridine	U	28.4	280		µg/Kg-dry	1	2/4/2014 9:59:00 PM
Surr: 2,4,6-Tribromophenol	50.0	0	11-135		%REC	1	2/4/2014 9:59:00 PM
Surr: 2-Fluorobiphenyl	63.4	0	21-143		%REC	1	2/4/2014 9:59:00 PM
Surr: 2-Fluorophenol	76.2	0	14-122		%REC	1	2/4/2014 9:59:00 PM
Surr: 4-Terphenyl-d14	58.9	0	15-137		%REC	1	2/4/2014 9:59:00 PM
Surr: Nitrobenzene-d5	15.7	0	17-136	S	%REC	1	2/4/2014 9:59:00 PM
Surr: Phenol-d6	71.6	0	10-116		%REC	1	2/4/2014 9:59:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (3-5)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:53:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-008A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,1,1-Trichloroethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,1,2,2-Tetrachloroethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,1,2-Trichloroethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,1-Dichloroethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,1-Dichloroethene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,1-Dichloropropene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2,3-Trichlorobenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2,3-Trichloropropane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2,4,5-Tetramethylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2,4-Trichlorobenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2,4-Trimethylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2-Dibromo-3-chloropropane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2-Dibromoethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2-Dichlorobenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2-Dichloroethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,2-Dichloropropane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,3,5-Trimethylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,3-Dichlorobenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,3-dichloropropane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,4-Dichlorobenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
1,4-Dioxane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
2,2-Dichloropropane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
2-Butanone	U	5.15	10		µg/Kg-dry	1	1/31/2014 5:09:00 PM
2-Chloroethyl vinyl ether	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
2-Chlorotoluene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
2-Hexanone	U	5.15	10		µg/Kg-dry	1	1/31/2014 5:09:00 PM
2-Propanol	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
4-Chlorotoluene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
4-Isopropyltoluene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
4-Methyl-2-pentanone	U	5.15	10		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Acetone	5.5	1.29	10	BJ*	µg/Kg-dry	1	1/31/2014 5:09:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (3-5)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:53:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-008A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Bromobenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Bromochloromethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Bromodichloromethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Bromoform	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Bromomethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Carbon disulfide	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Carbon tetrachloride	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Chlorobenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Chlorodifluoromethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Chloroethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Chloroform	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Chloromethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
cis-1,2-Dichloroethene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
cis-1,3-Dichloropropene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Cyclohexane	U	2.06	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Dibromochloromethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Dibromomethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Dichlorodifluoromethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Diisopropyl ether	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Ethanol	U	10.3	21		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Ethylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Freon-114	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Hexachlorobutadiene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Isopropylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
m,p-Xylene	U	2.06	10		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Methyl Acetate	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Methyl tert-butyl ether	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Methylene chloride	8.9	1.03	5.1	B*	µg/Kg-dry	1	1/31/2014 5:09:00 PM
Naphthalene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
n-Butylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
n-Propylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
o-Xylene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (3-5)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:53:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-008A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
p-Ethyltoluene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
sec-Butylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Styrene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
t-Butyl alcohol	U	2.57	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
tert-Butylbenzene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Tetrachloroethene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Toluene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
trans-1,2-Dichloroethene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
trans-1,3-Dichloropropene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Trichloroethene	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Trichlorofluoromethane	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Vinyl acetate	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Vinyl chloride	U	1.03	5.1		µg/Kg-dry	1	1/31/2014 5:09:00 PM
Surr: 4-Bromofluorobenzene	97.3	0	56-133		%REC	1	1/31/2014 5:09:00 PM
Surr: Dibromofluoromethane	103	0	60-132		%REC	1	1/31/2014 5:09:00 PM
Surr: Toluene-d8	101	0	69-125		%REC	1	1/31/2014 5:09:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (3-5)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:53:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-008B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	0.00803	0.008	0.0120	J	mg/Kg-dry	1	2/6/2014 11:16:52 AM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Aroclor 1221	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Aroclor 1232	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Aroclor 1242	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Aroclor 1248	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Aroclor 1254	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Aroclor 1260	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Aroclor 1262	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Aroclor 1268	U	10.1	20		µg/Kg-dry	1	2/11/2014 5:38:00 AM
Surr: DCB	11.2	0	12-144	S	%REC	1	2/11/2014 5:38:00 AM
Surr: TCX	55.7	0	13-145		%REC	1	2/11/2014 5:38:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
4,4'-DDE	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
4,4'-DDT	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Aldrin	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
alpha-BHC	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
beta-BHC	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Chlordane	U	10.1	20		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Chlorobenzilate	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
DBCP	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
delta-BHC	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Dieldrin	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Endosulfan I	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Endosulfan II	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Endosulfan sulfate	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Endrin	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Endrin aldehyde	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Endrin ketone	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
gamma-BHC	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (3-5)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:53:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-008B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Heptachlor	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Heptachlor epoxide	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Hexachlorobenzene	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Hexachlorocyclopentadiene	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Methoxychlor	U	1.01	2.5		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Toxaphene	U	12.7	25		µg/Kg-dry	1	2/10/2014 7:56:00 PM
Surr: DCB	54.1	0	16-148		%REC	1	2/10/2014 7:56:00 PM
Surr: TCX	45.0	0	19-145		%REC	1	2/10/2014 7:56:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	3.3	1	1.0		wt%	1	2/5/2014
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	3000	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Antimony	U	0.20	0.507		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Arsenic	1.16	0.20	0.507		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Barium	13.4	0.20	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Beryllium	U	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Cadmium	U	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Calcium	249	0.20	0.507		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Chromium	8.53	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Cobalt	U	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Copper	6.88	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Iron	10200	2.03	4.05		mg/Kg-dry	10	2/5/2014 2:38:31 PM
Lead	4.50	0.20	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Magnesium	869	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Manganese	181	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Nickel	6.31	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Potassium	346	0.20	0.507		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Selenium	U	0.20	0.507		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Silver	U	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Sodium	23.4	0.20	0.507		mg/Kg-dry	1	2/5/2014 1:15:52 PM
Thallium	0.434	0.30	0.507	J	mg/Kg-dry	1	2/5/2014 1:15:52 PM
Vanadium	12.4	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (3-5)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:53:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-008B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TOTAL METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Zinc	11.5	0.10	0.405		mg/Kg-dry	1	2/5/2014 1:15:52 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
1,2-Dichlorobenzene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
1,3-Dichlorobenzene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
1,4-Dichlorobenzene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2,3,4,6-Tetrachlorophenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2,4,5-Trichlorophenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2,4,6-Trichlorophenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2,4-Dichlorophenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2,4-Dimethylphenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2,4-Dinitrophenol	U	51.3	510	*	µg/Kg-dry	1	2/4/2014 10:22:00 PM
2,4-Dinitrotoluene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2,6-Dinitrotoluene	U	51.3	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2-Chloronaphthalene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2-Chlorophenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2-Methylnaphthalene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2-Methylphenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2-Nitroaniline	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
2-Nitrophenol	U	51.3	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
3,3'-Dichlorobenzidine	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
3+4-Methylphenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
3-Nitroaniline	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
4,6-Dinitro-2-methylphenol	U	51.3	510		µg/Kg-dry	1	2/4/2014 10:22:00 PM
4-Bromophenyl phenyl ether	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
4-Chloro-3-methylphenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
4-Chloroaniline	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
4-Chlorophenyl phenyl ether	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
4-Nitroaniline	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
4-Nitrophenol	U	51.3	510		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Acenaphthene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Acenaphthylene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM



ELAP ID : 11418

CLIENT: J.R. Holzmacher P.E. LLC Client Sample ID: B-7 (3-5)  
 Lab Order: 1401124 Collection Date: 1/30/2014 8:53:00 AM  
 Project: Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa Matrix: SOIL  
 Lab ID: 1401124-008B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: MH
Acetophenone	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Aniline	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Anthracene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Atrazine	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Azobenzene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzaldehyde	U	51.3	510		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzdine	U	51.3	510		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzo(a)anthracene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzo(a)pyrene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzo(b)fluoranthene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzo(g,h,i)perylene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzo(k)fluoranthene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzoic acid	U	51.3	510	*	µg/Kg-dry	1	2/4/2014 10:22:00 PM
Benzyl alcohol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Biphenyl	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Bis(2-chloroethoxy)methane	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Bis(2-chloroethyl)ether	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Bis(2-chloroisopropyl)ether	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Bis(2-ethylhexyl)phthalate	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Butyl benzyl phthalate	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Caprolactam	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Carbazole	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Chrysene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Dibenzo(a,h)anthracene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Dibenzofuran	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Diethyl phthalate	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Dimethyl phthalate	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Di-n-butyl phthalate	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Di-n-octyl phthalate	U	51.3	510		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Fluoranthene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Fluorene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Hexachlorobenzene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Hexachlorobutadiene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	B-7 (3-5)
<b>Lab Order:</b>	1401124	<b>Collection Date:</b>	1/30/2014 8:53:00 AM
<b>Project:</b>	Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1401124-008B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Hexachlorocyclopentadiene	U	51.3	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Hexachloroethane	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Indeno(1,2,3-c,d)pyrene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Isophorone	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Naphthalene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Nitrobenzene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
N-Nitrosodimethylamine	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
N-Nitrosodi-n-propylamine	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
N-Nitrosodiphenylamine	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Parathion	U	51.3	510		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Pentachlorophenol	U	51.3	510	*	µg/Kg-dry	1	2/4/2014 10:22:00 PM
Phenanthrene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Phenol	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Pyrene	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Pyridine	U	25.7	260		µg/Kg-dry	1	2/4/2014 10:22:00 PM
Surr: 2,4,6-Tribromophenol	107	0	11-135		%REC	1	2/4/2014 10:22:00 PM
Surr: 2-Fluorobiphenyl	86.4	0	21-143		%REC	1	2/4/2014 10:22:00 PM
Surr: 2-Fluorophenol	107	0	14-122		%REC	1	2/4/2014 10:22:00 PM
Surr: 4-Terphenyl-d14	89.6	0	15-137		%REC	1	2/4/2014 10:22:00 PM
Surr: Nitrobenzene-d5	87.1	0	17-136		%REC	1	2/4/2014 10:22:00 PM
Surr: Phenol-d6	107	0	10-116		%REC	1	2/4/2014 10:22:00 PM





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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8081\_S

Sample ID	MB-267	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	2/7/2014	RunNo:	422
Client ID:	PBS	Batch ID:	267	TestNo:	SW8081B	SW3546		Analysis Date:	2/10/2014	SeqNo:	7203
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	U	2.4									
4,4'-DDE	U	2.4									
4,4'-DDT	U	2.4									
Aldrin	U	2.4									
alpha-BHC	U	2.4									
beta-BHC	U	2.4									
Chlordane	U	19									
Chlorobenzilate	U	2.4									
DBCP	U	2.4									
delta-BHC	U	2.4									
Dieldrin	U	2.4									
Endosulfan I	U	2.4									
Endosulfan II	U	2.4									
Endosulfan sulfate	U	2.4									
Endrin	U	2.4									
Endrin aldehyde	U	2.4									
Endrin ketone	U	2.4									
gamma-BHC	U	2.4									
Heptachlor	U	2.4									
Heptachlor epoxide	U	2.4									
Hexachlorobenzene	U	2.4									
Hexachlorocyclopentadiene	U	2.4									
Methoxychlor	U	2.4									
Toxaphene	U	24									
Surr: DCB	22		24.22		88.9	16	148				
Surr: TCX	22		24.22		89.4	19	145				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124

11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8081\_S

Sample ID <b>MB-267</b>	SampType: <b>MBLK</b>	TestCode: <b>8081_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/7/2014</b>	RunNo: <b>422</b>						
Client ID: <b>PBS</b>	Batch ID: <b>267</b>	TestNo: <b>SW8081B</b>	<b>SW3546</b>	Analysis Date: <b>2/10/2014</b>	SeqNo: <b>7203</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID <b>LCS-267</b>	SampType: <b>LCS</b>	TestCode: <b>8081_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/7/2014</b>	RunNo: <b>422</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>267</b>	TestNo: <b>SW8081B</b>	<b>SW3546</b>	Analysis Date: <b>2/10/2014</b>	SeqNo: <b>7204</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	8.0	2.4	9.770	0	82.2	23	144				
4,4'-DDE	7.6	2.4	9.770	0	77.4	27	146				
4,4'-DDT	8.0	2.4	9.770	0	82.1	24	148				
Aldrin	8.0	2.4	9.770	0	81.7	28	144				
alpha-BHC	6.4	2.4	9.770	0	65.5	28	142				
beta-BHC	7.4	2.4	9.770	0	75.4	27	147				
delta-BHC	4.4	2.4	9.770	0	44.7	20	138				
Dieldrin	8.3	2.4	9.770	0	85.1	30	141				
Endosulfan I	7.4	2.4	9.770	0	75.9	23	137				
Endosulfan II	7.6	2.4	9.770	0	77.5	20	139				
Endosulfan sulfate	8.1	2.4	9.770	0	83.4	27	146				
Endrin	7.4	2.4	9.770	0	75.7	24	148				
Endrin aldehyde	10	2.4	9.770	0	104	24	147				
Endrin ketone	8.2	2.4	9.770	0	84.3	21	145				
gamma-BHC	7.1	2.4	9.770	0	72.6	21	149				
Heptachlor	8.7	2.4	9.770	0	89.0	20	149				
Heptachlor epoxide	8.9	2.4	9.770	0	91.0	21	149				
Methoxychlor	9.1	2.4	9.770	0	93.1	29	147				
Surr: DCB	21		24.43		86.3	16	148				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8081\_S

Sample ID	<b>LCS-267</b>	SampType:	<b>LCS</b>	TestCode:	<b>8081_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>2/7/2014</b>	RunNo:	<b>422</b>			
Client ID:	<b>LCSS</b>	Batch ID:	<b>267</b>	TestNo:	<b>SW8081B</b>		<b>SW3546</b>	Analysis Date:	<b>2/10/2014</b>	SeqNo:	<b>7204</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr:	TCX		18		24.43			73.2	19	145				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8082\_S

Sample ID <b>MB-265</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/7/2014</b>	RunNo: <b>423</b>						
Client ID: <b>PBS</b>	Batch ID: <b>265</b>	TestNo: <b>SW8082A</b>	<b>SW3546</b>	Analysis Date: <b>2/11/2014</b>	SeqNo: <b>7224</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	19									
Aroclor 1221	U	19									
Aroclor 1232	U	19									
Aroclor 1242	U	19									
Aroclor 1248	U	19									
Aroclor 1254	U	19									
Aroclor 1260	U	19									
Aroclor 1262	U	19									
Aroclor 1268	U	19									
Surr: DCB	10		24.25		43.3	12	144				
Surr: TCX	20		24.25		83.3	13	145				

Sample ID <b>LCS-265</b>	SampType: <b>LCS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/7/2014</b>	RunNo: <b>423</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>265</b>	TestNo: <b>SW8082A</b>	<b>SW3546</b>	Analysis Date: <b>2/11/2014</b>	SeqNo: <b>7225</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	170	20	244.7	0	69.6	35	135				
Surr: DCB	12		24.47		50.2	12	144				
Surr: TCX	17		24.47		67.7	13	145				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8260\_S

Sample ID	LCS-213	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 1/31/2014	RunNo: 366					
Client ID: LCSS	Batch ID: 213b	TestNo: SW8260C	Analysis Date: 1/31/2014	SeqNo: 6404							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	42	5.0	50.00	0	84.8	40	125				
1,1,2,2-Tetrachloroethane	40	5.0	50.00	0	80.9	35	139				
1,1,2-Trichloroethane	41	5.0	50.00	0	82.9	40	124				
1,1-Dichloroethane	40	5.0	50.00	0	80.5	33	134				
1,1-Dichloroethene	43	5.0	50.00	0	86.8	30	141				
1,2-Dichlorobenzene	39	5.0	50.00	0	78.0	33	126				
1,2-Dichloroethane	41	5.0	50.00	0	82.1	36	131				
1,2-Dichloropropane	40	5.0	50.00	0	79.8	38	131				
1,3-Dichlorobenzene	40	5.0	50.00	0	80.1	31	130				
1,4-Dichlorobenzene	40	5.0	50.00	0	79.8	33	121				
1,4-Dioxane	U	5.0	50.00	0	0	40	120				S
2-Chloroethyl vinyl ether	31	5.0	50.00	0	61.6	36	138				
Benzene	40	5.0	50.00	0	79.8	36	126				
Bromodichloromethane	40	5.0	50.00	0	79.6	38	125				
Bromoform	41	5.0	50.00	0	81.8	36	131				
Bromomethane	36	5.0	50.00	0	72.6	23	135				
Carbon tetrachloride	44	5.0	50.00	0	87.2	37	130				
Chlorobenzene	40	5.0	50.00	0	80.3	41	123				
Chloroethane	54	5.0	50.00	0	109	20	128				
Chloroform	41	5.0	50.00	0	82.8	39	125				
Chloromethane	65	5.0	50.00	0	130	33	143				
cis-1,3-Dichloropropene	38	5.0	50.00	0	75.8	34	125				
Dibromochloromethane	44	5.0	50.00	0	87.3	36	125				
Ethylbenzene	40	5.0	50.00	0	80.1	42	124				
Methylene chloride	23	5.0	50.00	0	45.4	33	135				B*
Tetrachloroethene	35	5.0	50.00	0	70.2	30	121				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8260\_S

Sample ID	<b>LCS-213</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>1/31/2014</b>	RunNo:	<b>366</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>213b</b>	TestNo:	<b>SW8260C</b>			Analysis Date:	<b>1/31/2014</b>	SeqNo:	<b>6404</b>					
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene		41		5.0		50.00		0		82.2	43	121				
trans-1,2-Dichloroethene		41		5.0		50.00		0		82.2	32	124				
trans-1,3-Dichloropropene		41		5.0		50.00		0		81.4	33	120				
Trichloroethene		42		5.0		50.00		0		83.9	40	124				
Trichlorofluoromethane		64		5.0		50.00		0		127	35	140				
Vinyl chloride		72		5.0		50.00		0		144	40	146				
Surr: 4-Bromofluorobenzene		50				50.00				101	56	133				
Surr: Dibromofluoromethane		51				50.00				102	60	132				
Surr: Toluene-d8		51				50.00				102	69	125				

Sample ID	<b>MB-213</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8260_S</b>	Units:	<b>µg/Kg</b>	Prep Date:	<b>1/31/2014</b>	RunNo:	<b>366</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>213b</b>	TestNo:	<b>SW8260C</b>			Analysis Date:	<b>1/31/2014</b>	SeqNo:	<b>6405</b>					
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		U		5.0												
1,1,1-Trichloroethane		U		5.0												
1,1,2,2-Tetrachloroethane		U		5.0												
1,1,2-Trichloro-1,2,2-trifluoroethane		U		5.0												
1,1,2-Trichloroethane		U		5.0												
1,1-Dichloroethane		U		5.0												
1,1-Dichloroethene		U		5.0												
1,1-Dichloropropene		U		5.0												
1,2,3-Trichlorobenzene		U		5.0												
1,2,3-Trichloropropane		U		5.0												

**Qualifiers:** R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8260\_S

Sample ID <b>MB-213</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>366</b>						
Client ID: <b>PBS</b>	Batch ID: <b>213b</b>	TestNo: <b>SW8260C</b>		Analysis Date: <b>1/31/2014</b>	SeqNo: <b>6405</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
1,4-Dioxane	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	10									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	10									
2-Propanol	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	10									
Acetone	15	10									*
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8260\_S

Sample ID <b>MB-213</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>366</b>						
Client ID: <b>PBS</b>	Batch ID: <b>213b</b>	TestNo: <b>SW8260C</b>		Analysis Date: <b>1/31/2014</b>	SeqNo: <b>6405</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Cyclohexane	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	20									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl Acetate	U	5.0									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	8.1	5.0									*

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8260\_S

Sample ID <b>MB-213</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>1/31/2014</b>	RunNo: <b>366</b>						
Client ID: <b>PBS</b>	Batch ID: <b>213b</b>	TestNo: <b>SW8260C</b>		Analysis Date: <b>1/31/2014</b>	SeqNo: <b>6405</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	5.0									
n-Butylbenzene	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									
Surr: 4-Bromofluorobenzene	49		50.00		98.9	56	133				
Surr: Dibromofluoromethane	51		50.00		103	60	132				
Surr: Toluene-d8	50		50.00		99.7	69	125				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6183</b>						
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	500									
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									
3+4-Methylphenol	U	250									
3-Nitroaniline	U	250									
4,6-Dinitro-2-methylphenol	U	500									
4-Bromophenyl phenyl ether	U	250									
4-Chloro-3-methylphenol	U	250									
4-Chloroaniline	U	250									
4-Chlorophenyl phenyl ether	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6183</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	U	250									
4-Nitrophenol	U	500									
Acenaphthene	U	250									
Acenaphthylene	U	250									
Acetophenone	U	250									
Aniline	U	250									
Anthracene	U	250									
Atrazine	U	250									
Azobenzene	U	250									
Benzaldehyde	U	500									
Benzidine	U	500									
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	500									
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									
Carbazole	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6183</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	500									
Fluoranthene	U	250									
Fluorene	U	250									
Hexachlorobenzene	U	250									
Hexachlorobutadiene	U	250									
Hexachlorocyclopentadiene	U	250									
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									
N-Nitrosodi-n-propylamine	U	250									
N-Nitrosodiphenylamine	U	250									
Parathion	U	500									
Pentachlorophenol	U	500									
Phenanthrene	U	250									
Phenol	U	250									
Pyrene	U	250									
Pyridine	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6183</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1600		2000		80.4	11	135				
Surr: 2-Fluorobiphenyl	830		1000		82.5	21	143				
Surr: 2-Fluorophenol	2300		2000		113	14	122				
Surr: 4-Terphenyl-d14	870		1000		87.4	15	137				
Surr: Nitrobenzene-d5	770		1000		77.2	17	136				
Surr: Phenol-d6	2200		2000		110	10	116				

Sample ID <b>LCS-228</b>	SampType: <b>LCS</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>320</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6184</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	830	250	2000	0	41.3	30	125				
1,2-Dichlorobenzene	820	250	2000	0	41.0	24	122				
1,3-Dichlorobenzene	830	250	2000	0	41.6	25	125				
1,4-Dichlorobenzene	900	250	2000	0	45.2	23	121				
2,4,6-Trichlorophenol	730	250	2000	0	36.5	25	130				
2,4-Dichlorophenol	840	250	2000	0	42.0	31	125				
2,4-Dimethylphenol	820	250	2000	0	40.9	17	132				
2,4-Dinitrophenol	390	500	2000	0	19.6	1	116				J
2,4-Dinitrotoluene	750	250	2000	0	37.5	30	134				
2,6-Dinitrotoluene	730	250	2000	0	36.6	35	125				
2-Chloronaphthalene	840	250	2000	0	41.9	30	130				
2-Chlorophenol	920	250	2000	0	46.2	32	134				
2-Nitrophenol	870	250	2000	0	43.3	16	146				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
 56 Toledo Street  
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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401124

11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 320					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6184						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	740	500	2000	0	36.8	11	141				
4-Bromophenyl phenyl ether	850	250	2000	0	42.6	35	135				
4-Chloro-3-methylphenol	860	250	2000	0	43.2	19	139				
4-Chlorophenyl phenyl ether	850	250	2000	0	42.5	30	128				
4-Nitrophenol	850	500	2000	0	42.4	17	140				
Acenaphthene	840	250	2000	0	42.0	25	137				
Acenaphthylene	840	250	2000	0	42.2	23	136				
Anthracene	870	250	2000	0	43.3	23	150				
Benzo(a)anthracene	850	250	2000	0	42.7	31	140				
Benzo(a)pyrene	810	250	2000	0	40.7	36	136				
Benzo(b)fluoranthene	790	250	2000	0	39.6	30	140				
Benzo(g,h,i)perylene	900	250	2000	0	44.9	21	143				
Benzo(k)fluoranthene	830	250	2000	0	41.6	30	140				
Bis(2-chloroethoxy)methane	830	250	2000	0	41.3	18	110				
Bis(2-chloroethyl)ether	910	250	2000	0	45.4	30	131				
Bis(2-chloroisopropyl)ether	780	250	2000	0	39.2	34	124				
Bis(2-ethylhexyl)phthalate	790	250	2000	0	39.7	35	137				
Butyl benzyl phthalate	820	250	2000	0	41.0	34	140				
Chrysene	850	250	2000	0	42.4	31	133				
Dibenzo(a,h)anthracene	880	250	2000	0	43.9	24	145				
Diethyl phthalate	830	250	2000	0	41.4	35	130				
Dimethyl phthalate	840	250	2000	0	42.0	32	130				
Di-n-butyl phthalate	950	250	2000	0	47.6	35	131				
Di-n-octyl phthalate	770	500	2000	0	38.4	37	143				
Fluoranthene	1000	250	2000	0	50.1	21	139				
Fluorene	850	250	2000	0	42.5	30	130				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 320					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6184						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	890	250	2000	0	44.4	30	130				
Hexachlorobutadiene	860	250	2000	0	42.8	30	125				
Hexachlorocyclopentadiene	610	250	2000	0	30.7	12	126				
Hexachloroethane	800	250	2000	0	40.0	30	125				
Indeno(1,2,3-c,d)pyrene	870	250	2000	0	43.7	28	141				
Isophorone	820	250	2000	0	40.8	30	125				
Naphthalene	850	250	2000	0	42.6	27	131				
Nitrobenzene	820	250	2000	0	41.0	35	125				
N-Nitrosodimethylamine	850	250	2000	0	42.7	10	123				
N-Nitrosodi-n-propylamine	810	250	2000	0	40.4	39	125				
N-Nitrosodiphenylamine	470	250	2000	0	23.3	21	103				
Pentachlorophenol	760	500	2000	0	38.0	10	132				
Phenanthrene	870	250	2000	0	43.5	35	130				
Phenol	920	250	2000	0	46.0	20	135				
Pyrene	940	250	2000	0	47.1	30	152				
Surr: 2,4,6-Tribromophenol	1500		2000		73.7	11	135				
Surr: 2-Fluorobiphenyl	820		1000		82.3	21	143				
Surr: 2-Fluorophenol	1800		2000		92.1	14	122				
Surr: 4-Terphenyl-d14	940		1000		93.8	15	137				
Surr: Nitrobenzene-d5	840		1000		84.3	17	136				
Surr: Phenol-d6	1800		2000		92.4	10	116				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>344</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6202</b>						
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	500									*
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									
3+4-Methylphenol	U	250									
3-Nitroaniline	U	250									
4,6-Dinitro-2-methylphenol	U	500									*
4-Bromophenyl phenyl ether	U	250									
4-Chloro-3-methylphenol	U	250									
4-Chloroaniline	U	250									
4-Chlorophenyl phenyl ether	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>344</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	U	250									
4-Nitrophenol	U	500									*
Acenaphthene	U	250									
Acenaphthylene	U	250									
Acetophenone	U	250									
Aniline	U	250									
Anthracene	U	250									
Atrazine	U	250									
Azobenzene	U	250									
Benzaldehyde	U	500									
Benzidine	U	500									*
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	500									*
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									
Carbazole	U	250									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>344</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	500									
Fluoranthene	U	250									
Fluorene	U	250									
Hexachlorobenzene	U	250									
Hexachlorobutadiene	U	250									
Hexachlorocyclopentadiene	U	250									
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									
N-Nitrosodi-n-propylamine	U	250									
N-Nitrosodiphenylamine	U	250									
Parathion	U	500									
Pentachlorophenol	U	500									
Phenanthrene	U	250									
Phenol	U	250									
Pyrene	U	250									
Pyridine	U	250									

**Qualifiers:** R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID <b>MB-228</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>344</b>						
Client ID: <b>PBS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1600		2000		80.4	11	135				
Surr: 2-Fluorobiphenyl	830		1000		82.5	21	143				
Surr: 2-Fluorophenol	2300		2000		113	14	122				
Surr: 4-Terphenyl-d14	870		1000		87.4	15	137				
Surr: Nitrobenzene-d5	770		1000		77.2	17	136				
Surr: Phenol-d6	2200		2000		110	10	116				

Sample ID <b>LCS-228</b>	SampType: <b>LCS</b>	TestCode: <b>8270_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/4/2014</b>	RunNo: <b>344</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>228</b>	TestNo: <b>SW8270D</b>	<b>SW3546</b>	Analysis Date: <b>2/4/2014</b>	SeqNo: <b>6203</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	830	250	2000	0	41.3	30	125				
1,2-Dichlorobenzene	820	250	2000	0	41.0	24	122				
1,3-Dichlorobenzene	830	250	2000	0	41.6	25	125				
1,4-Dichlorobenzene	900	250	2000	0	45.2	23	121				
2,3,4,6-Tetrachlorophenol	U	250		0	0	20	135				
2,4,5-Trichlorophenol	U	250		0	0	21	131				
2,4,6-Trichlorophenol	730	250	2000	0	36.5	25	130				
2,4-Dichlorophenol	840	250	2000	0	42.0	31	125				
2,4-Dimethylphenol	820	250	2000	0	40.9	17	132				
2,4-Dinitrophenol	390	500	2000	0	19.6	1	115				J*
2,4-Dinitrotoluene	750	250	2000	0	37.5	30	134				
2,6-Dinitrotoluene	730	250	2000	0	36.6	35	125				
2-Chloronaphthalene	840	250	2000	0	41.9	30	130				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 344					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6203						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	920	250	2000	0	46.2	32	134				
2-Methylnaphthalene	U	250		0	0	22	128				
2-Methylphenol	U	250		0	0	21	127				
2-Nitroaniline	U	250		0	0	25	125				
2-Nitrophenol	870	250	2000	0	43.3	16	146				
3,3'-Dichlorobenzidine	U	250		0	0	10	105				
3+4-Methylphenol	U	250		0	0	25	145				
3-Nitroaniline	U	250		0	0	20	120				
4,6-Dinitro-2-methylphenol	740	500	2000	0	36.8	11	141				*
4-Bromophenyl phenyl ether	850	250	2000	0	42.6	35	135				
4-Chloro-3-methylphenol	860	250	2000	0	43.2	19	139				
4-Chloroaniline	U	250		0	0	11	121				
4-Chlorophenyl phenyl ether	850	250	2000	0	42.5	30	128				
4-Nitroaniline	U	250		0	0	20	120				
4-Nitrophenol	850	500	2000	0	42.4	17	140				*
Acenaphthene	840	250	2000	0	42.0	25	137				
Acenaphthylene	840	250	2000	0	42.2	23	136				
Acetophenone	U	250		0	0	30	125				
Aniline	U	250		0	0	1	105				
Anthracene	870	250	2000	0	43.3	23	150				
Atrazine	U	250		0	0	20	120				
Azobenzene	U	250		0	0	20	130				
Benzaldehyde	U	500		0	0	30	130				
Benzidine	U	500		0	0	2	112				*
Benzo(a)anthracene	850	250	2000	0	42.7	31	140				
Benzo(a)pyrene	810	250	2000	0	40.7	36	136				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124

11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 344					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6203						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	790	250	2000	0	39.6	30	140				
Benzo(g,h,i)perylene	900	250	2000	0	44.9	21	143				
Benzo(k)fluoranthene	830	250	2000	0	41.6	30	140				
Benzoic acid	U	500		0	0	5	105				*
Benzyl alcohol	U	250		0	0	20	125				
Biphenyl	U	250		0	0	30	130				
Bis(2-chloroethoxy)methane	830	250	2000	0	41.3	18	110				
Bis(2-chloroethyl)ether	910	250	2000	0	45.4	30	131				
Bis(2-chloroisopropyl)ether	780	250	2000	0	39.2	34	124				
Bis(2-ethylhexyl)phthalate	790	250	2000	0	39.7	35	137				
Butyl benzyl phthalate	820	250	2000	0	41.0	34	140				
Caprolactam	U	250		0	0	30	130				
Carbazole	U	250		0	0	20	130				
Chrysene	850	250	2000	0	42.4	31	133				
Dibenzo(a,h)anthracene	880	250	2000	0	43.9	24	145				
Dibenzofuran	U	250		0	0	23	130				
Diethyl phthalate	830	250	2000	0	41.4	35	130				
Dimethyl phthalate	840	250	2000	0	42.0	32	130				
Di-n-butyl phthalate	950	250	2000	0	47.6	35	131				
Di-n-octyl phthalate	770	500	2000	0	38.4	37	143				
Fluoranthene	1000	250	2000	0	50.1	21	139				
Fluorene	850	250	2000	0	42.5	30	130				
Hexachlorobenzene	890	250	2000	0	44.4	30	130				
Hexachlorobutadiene	860	250	2000	0	42.8	30	125				
Hexachlorocyclopentadiene	610	250	2000	0	30.7	12	126				
Hexachloroethane	800	250	2000	0	40.0	30	125				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** 8270\_S

Sample ID	LCS-228	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 2/4/2014	RunNo: 344					
Client ID: LCSS	Batch ID: 228	TestNo: SW8270D	SW3546	Analysis Date: 2/4/2014	SeqNo: 6203						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-c,d)pyrene	870	250	2000	0	43.7	28	141				
Isophorone	820	250	2000	0	40.8	30	125				
Naphthalene	850	250	2000	0	42.6	27	131				
Nitrobenzene	820	250	2000	0	41.0	35	125				
N-Nitrosodimethylamine	850	250	2000	0	42.7	10	123				
N-Nitrosodi-n-propylamine	810	250	2000	0	40.4	39	125				
N-Nitrosodiphenylamine	470	250	2000	0	23.3	21	103				
Parathion	U	500		0	0	30	140				
Pentachlorophenol	760	500	2000	0	38.0	10	132				
Phenanthrene	870	250	2000	0	43.5	35	130				
Phenol	920	250	2000	0	46.0	20	135				
Pyrene	940	250	2000	0	47.1	30	152				
Pyridine	U	250		0	0	1	101				
Surr: 2,4,6-Tribromophenol	1500		2000		73.7	11	135				
Surr: 2-Fluorobiphenyl	820		1000		82.3	21	143				
Surr: 2-Fluorophenol	1800		2000		92.1	14	122				
Surr: 4-Terphenyl-d14	940		1000		93.8	15	137				
Surr: Nitrobenzene-d5	840		1000		84.3	17	136				
Surr: Phenol-d6	1800		2000		92.4	10	116				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
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 Farmingdale, New York 11735  
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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1401124

11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** HG\_S

Sample ID	<b>MBS020614A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>2/6/2014</b>	RunNo:	<b>378</b>			
Client ID:	<b>PBS</b>	Batch ID:	<b>251</b>	TestNo:	<b>SW7471B</b>	<b>SW7471B</b>		Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6577</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		U		0.0120										

Sample ID	<b>LCSS020614A</b>	SampType:	<b>LCS</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>2/6/2014</b>	RunNo:	<b>378</b>			
Client ID:	<b>LCSS</b>	Batch ID:	<b>251</b>	TestNo:	<b>SW7471B</b>	<b>SW7471B</b>		Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6578</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.197		0.0120	0.2000	0		98.5	80	120				

Sample ID	<b>1401141-003BMS</b>	SampType:	<b>MS</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg-dry</b>	Prep Date:	<b>2/6/2014</b>	RunNo:	<b>378</b>			
Client ID:	<b>BatchQC</b>	Batch ID:	<b>251</b>	TestNo:	<b>SW7471B</b>	<b>SW7471B</b>		Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6597</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		1.19		0.0649	0.2162	1.083		49.1	80	120				S

Sample ID	<b>1401141-003BMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>HG_S</b>	Units:	<b>mg/Kg-dry</b>	Prep Date:	<b>2/6/2014</b>	RunNo:	<b>378</b>			
Client ID:	<b>BatchQC</b>	Batch ID:	<b>251</b>	TestNo:	<b>SW7471B</b>	<b>SW7471B</b>		Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6598</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		1.11		0.0643	0.2143	1.083		13.4	80	120	1.189	6.74	20	S

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** ICPSCAN\_S

Sample ID	<b>MBS020514A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>ICPSCAN_S</b>	Units:	<b>mg/Kg</b>	Prep Date:	<b>2/5/2014</b>	RunNo:	<b>361</b>
Client ID:	<b>PBS</b>	Batch ID:	<b>246</b>	TestNo:	<b>SW6010C</b>	<b>SW3050B</b>		Analysis Date:	<b>2/5/2014</b>	SeqNo:	<b>6340</b>
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									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124  
 11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** ICPSCAN\_S

Sample ID	LCSS020514A	SampType:	LCS	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	2/5/2014	RunNo:	361
Client ID:	LCSS	Batch ID:	246	TestNo:	SW6010C	SW3050B		Analysis Date:	2/5/2014	SeqNo:	6341
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	39.0	0.400	40.00	0	97.6	80	120				
Antimony	41.0	0.500	40.00	0	103	80	120				
Arsenic	41.2	0.500	40.00	0	103	80	120				
Barium	38.5	0.400	40.00	0	96.3	80	120				
Beryllium	40.1	0.400	40.00	0	100	80	120				
Cadmium	40.6	0.400	40.00	0	102	80	120				
Calcium	39.9	0.500	40.00	0	99.9	80	120				
Chromium	41.6	0.400	40.00	0	104	80	120				
Cobalt	41.5	0.400	40.00	0	104	80	120				
Copper	38.5	0.400	40.00	0	96.4	80	120				
Iron	39.9	0.400	40.00	0	99.8	80	120				
Lead	41.3	0.400	40.00	0	103	80	120				
Magnesium	41.2	0.400	40.00	0	103	80	120				
Manganese	39.6	0.400	40.00	0	99.0	80	120				
Nickel	40.8	0.400	40.00	0	102	80	120				
Potassium	392	0.500	400.0	0	98.1	80	120				
Selenium	40.0	0.500	40.00	0	99.9	80	120				
Silver	39.1	0.400	40.00	0	97.8	80	120				
Sodium	43.2	0.500	40.00	0	108	80	120				
Thallium	38.9	0.500	40.00	0	97.2	80	120				
Vanadium	39.5	0.400	40.00	0	98.8	80	120				
Zinc	40.9	0.400	40.00	0	102	80	120				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124

11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** ICPSCAN\_S

Sample ID	1401141-003BMS	SampType:	MS	TestCode:	ICPSCAN_S	Units:	mg/Kg-dry	Prep Date:	2/5/2014	RunNo:	361
Client ID:	BatchQC	Batch ID:	246	TestNo:	SW6010C	SW3050B		Analysis Date:	2/5/2014	SeqNo:	6360
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2280	0.482	24.12	2334	-229	75	125				S
Antimony	25.1	0.603	24.12	0	104	75	125				
Arsenic	25.0	0.603	24.12	0.7588	100	75	125				
Barium	38.7	0.482	24.12	15.51	96.1	75	125				
Beryllium	22.5	0.482	24.12	0	93.4	75	125				
Cadmium	23.4	0.482	24.12	0	96.9	75	125				
Calcium	1170	0.603	24.12	1179	-52.8	75	125				S
Chromium	32.0	0.482	24.12	7.721	101	75	125				
Cobalt	19.0	0.482	24.12	0	78.8	75	125				
Copper	249	0.482	24.12	234.4	61.0	75	125				S
Iron	2780	0.482	24.12	2834	-207	75	125				S
Lead	65.6	0.482	24.12	44.42	87.8	75	125				
Magnesium	309	0.482	24.12	298.8	41.5	75	125				S
Manganese	45.3	0.482	24.12	23.73	89.4	75	125				
Nickel	26.4	0.482	24.12	3.579	94.5	75	125				
Potassium	411	0.603	241.2	148.4	109	75	125				
Selenium	24.6	0.603	24.12	1.425	96.3	75	125				
Silver	23.2	0.482	24.12	0.8236	92.8	75	125				
Sodium	70.1	0.603	24.12	44.20	108	75	125				
Thallium	21.9	0.603	24.12	0	90.9	75	125				
Vanadium	30.6	0.482	24.12	7.075	97.7	75	125				
Zinc	61.4	0.482	24.12	39.77	89.8	75	125				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1401124

11-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** Liberty Ave., 102-14/16 Liberty Ave., Ozone Pa

**TestCode:** ICPSCAN\_S

Sample ID	1401141-003BMSD	SampType:	MSD	TestCode:	ICPSCAN_S	Units:	mg/Kg-dry	Prep Date:	2/5/2014	RunNo:	361
Client ID:	BatchQC	Batch ID:	246	TestNo:	SW6010C	SW3050B		Analysis Date:	2/5/2014	SeqNo:	6361
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2240	0.482	24.12	2334	-406	75	125	2279	1.89	20	S
Antimony	24.9	0.603	24.12	0	103	75	125	25.14	1.01	20	
Arsenic	24.9	0.603	24.12	0.7588	100	75	125	24.98	0.215	20	
Barium	38.8	0.482	24.12	15.51	96.5	75	125	38.70	0.217	20	
Beryllium	22.4	0.482	24.12	0	92.9	75	125	22.53	0.539	20	
Cadmium	23.3	0.482	24.12	0	96.5	75	125	23.36	0.440	20	
Calcium	1160	0.603	24.12	1179	-90.6	75	125	1166	0.784	20	S
Chromium	31.9	0.482	24.12	7.721	100	75	125	32.01	0.427	20	
Cobalt	19.0	0.482	24.12	0	78.6	75	125	19.00	0.184	20	
Copper	248	0.482	24.12	234.4	55.5	75	125	249.1	0.525	20	S
Iron	2770	0.482	24.12	2834	-285	75	125	2784	0.675	20	S
Lead	65.3	0.482	24.12	44.42	86.5	75	125	65.58	0.481	20	
Magnesium	306	0.482	24.12	298.8	30.5	75	125	308.8	0.864	20	S
Manganese	45.2	0.482	24.12	23.73	89.0	75	125	45.29	0.225	20	
Nickel	26.2	0.482	24.12	3.579	93.6	75	125	26.38	0.841	20	
Potassium	411	0.603	241.2	148.4	109	75	125	411.2	0.129	20	
Selenium	24.6	0.603	24.12	1.425	96.3	75	125	24.64	0.00783	20	
Silver	23.2	0.482	24.12	0.8236	92.7	75	125	23.20	0.111	20	
Sodium	70.3	0.603	24.12	44.20	108	75	125	70.13	0.269	20	
Thallium	21.8	0.603	24.12	0	90.4	75	125	21.93	0.541	20	
Vanadium	30.6	0.482	24.12	7.075	97.4	75	125	30.64	0.251	20	
Zinc	61.1	0.482	24.12	39.77	88.4	75	125	61.43	0.576	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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## Sample Log-In Check List

Client Name: **HOLZMACHER** Work Order Number: **1401124** RcptNo: **1**

Logged by: <b>Cate Ferrara</b>	<b>1/30/2014 1:25:00 PM</b>	<i>C Ferrara</i>
Completed By: <b>Cate Ferrara</b>	<b>1/30/2014</b>	<i>C Ferrara</i>
Reviewed By: <b>Lori Beyer</b>	<b>1/31/2014</b>	<i>Lori Beyer</i>

### Chain of Custody

1. Is Chain of Custody complete? Yes  No  Not Present   
 2. How was the sample delivered?

### Log In

3. Coolers are present? Yes  No  NA   
 4. Shipping container/cooler in good condition? Yes  No   
 Custody seals intact on shipping container/cooler? Yes  No  Not Present   
 No. Seal Date: Signed By:  
 5. Was an attempt made to cool the samples? Yes  No  NA   
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA   
 7. Sample(s) in proper container(s)? Yes  No   
 8. Sufficient sample volume for indicated test(s)? Yes  No   
 9. Are samples (except VOA and ONG) properly preserved? Yes  No   
 10. Was preservative added to bottles? Yes  No  NA   
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes  No  No VOA Vials   
 12. Were any sample containers received broken? Yes  No   
 13. Does paperwork match bottle labels? Yes  No   
 (Note discrepancies on chain of custody)  
 14. Are matrices correctly identified on Chain of Custody? Yes  No   
 15. Is it clear what analyses were requested? Yes  No   
 16. Were all holding times able to be met? Yes  No   
 (If no, notify customer for authorization.)

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:  
 Samples not collected according to Method 503A.

### Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
-----------	---------	-----------	-------------	---------	-----------	-----------



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## Definition Only

WO#: 1401124  
Date: 2/11/2014

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### Definitions:

#### Sample Result and QC Summary Qualifiers - Level I and Level II Reports

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

E - The value is above the quantitation range

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

\* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP





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February 12, 2014

Jim DeMartinis  
J.R. Holzmacher P.E. LLC  
3555 Veterans Memorial Hwy., Suite A  
Ronkonkoma, NY 11788  
TEL: (631) 234-2220  
FAX (631) 234-2221

RE: 102-14 & 102-16 Liberty Ave., Queens

Order No.: 1402006

Dear Jim DeMartinis:

American Analytical Laboratories, LLC. received 5 sample(s) on 2/4/2014 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.

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](mailto:lbeyer@american-analytical.com).

Sincerely,

Lori Beyer  
Lab Director  
American Analytical Laboratories, LLC.



American Analytical Laboratories, LLC.  
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Website: www.American-Analytical.com

## Workorder Sample Summary

WO#: 1402006

12-Feb-14

**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1402006-001A	MW-1		2/4/2014 11:30:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-001B	MW-1		2/4/2014 11:30:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-001C	MW-1		2/4/2014 11:30:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-001D	MW-1		2/4/2014 11:30:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-001E	MW-1		2/4/2014 11:30:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-001F	MW-1		2/4/2014 11:30:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-002A	MW-2		2/4/2014 11:50:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-002B	MW-2		2/4/2014 11:50:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-002C	MW-2		2/4/2014 11:50:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-002D	MW-2		2/4/2014 11:50:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-002E	MW-2		2/4/2014 11:50:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-002F	MW-2		2/4/2014 11:50:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-003A	MW-3		2/4/2014 12:10:00 PM	2/4/2014 1:00:00 PM	Liquid
1402006-003B	MW-3		2/4/2014 12:10:00 PM	2/4/2014 1:00:00 PM	Liquid
1402006-003C	MW-3		2/4/2014 12:10:00 PM	2/4/2014 1:00:00 PM	Liquid
1402006-003D	MW-3		2/4/2014 12:10:00 PM	2/4/2014 1:00:00 PM	Liquid
1402006-003E	MW-3		2/4/2014 12:10:00 PM	2/4/2014 1:00:00 PM	Liquid
1402006-003F	MW-3		2/4/2014 12:10:00 PM	2/4/2014 1:00:00 PM	Liquid
1402006-004A	FB		2/4/2014 11:28:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-004B	FB		2/4/2014 11:28:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-004C	FB		2/4/2014 11:28:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-004D	FB		2/4/2014 11:28:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-004E	FB		2/4/2014 11:28:00 AM	2/4/2014 1:00:00 PM	Liquid
1402006-005A	TB		2/4/2014	2/4/2014 1:00:00 PM	Liquid



American Analytical Laboratories, LLC.  
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TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## Case Narrative

WO#: 1402006  
Date: 2/12/2014

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**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A via the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method.

Volatile LCS are analyzed with preservatives - HCL/NaHSO<sub>4</sub>/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Pesticide analysis by Method 8081B (if applicable to this work order) is analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, SM 4500-SO<sub>3</sub> B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid



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## Case Narrative

WO#: 1402006  
Date: 2/12/2014

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**CLIENT:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

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The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

# American Analytical Laboratories, LLC.

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:30:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-001A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
1,1,1,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,1,1-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,1,2,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,1,2-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,1-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,1-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,1-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2,3-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2,3-Trichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2,4,5-Tetramethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2,4-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2,4-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2-Dibromoethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,3,5-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,3-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,3-dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,4-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
1,4-Dioxane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
2,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
2-Butanone	U	1.25	5.0		µg/L	1	2/6/2014 3:22:00 PM
2-Chloroethyl vinyl ether	U	1	4.0		µg/L	1	2/6/2014 3:22:00 PM
2-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
2-Hexanone	U	1.25	5.0		µg/L	1	2/6/2014 3:22:00 PM
2-Propanol	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
4-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
4-Isopropyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
4-Methyl-2-pentanone	U	1.25	5.0		µg/L	1	2/6/2014 3:22:00 PM
Acetone	6.3	1.25	5.0	B*	µg/L	1	2/6/2014 3:22:00 PM

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# American Analytical Laboratories, LLC.

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:30:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-001A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Bromobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Bromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Bromodichloromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Bromoform	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Bromomethane	U	1	4.0	*	µg/L	1	2/6/2014 3:22:00 PM
Carbon disulfide	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Carbon tetrachloride	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Chlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Chlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Chloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Chloroform	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Chloromethane	U	0.5	2.0	*	µg/L	1	2/6/2014 3:22:00 PM
cis-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
cis-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Cyclohexane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Dibromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Dibromomethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Dichlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Diisopropyl ether	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Ethanol	U	2.5	10	*	µg/L	1	2/6/2014 3:22:00 PM
Ethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Freon-114	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Hexachlorobutadiene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Isopropylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
m,p-Xylene	U	1	4.0		µg/L	1	2/6/2014 3:22:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Methyl tert-butyl ether	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Methylene chloride	7.6	0.5	2.0	B*	µg/L	1	2/6/2014 3:22:00 PM
Naphthalene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
n-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
n-Propylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 3:22:00 PM
o-Xylene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM

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**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC  
**Lab Order:** 1402006  
**Project:** 102-14 & 102-16 Liberty Ave., Queens  
**Lab ID:** 1402006-001A

**Client Sample ID:** MW-1  
**Collection Date:** 2/4/2014 11:30:00 AM  
**Matrix:** LIQUID

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
p-Ethyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
sec-Butylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 3:22:00 PM
Styrene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
t-Butyl alcohol	U	2.5	10		µg/L	1	2/6/2014 3:22:00 PM
tert-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Tetrachloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Toluene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
trans-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
trans-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Trichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Trichlorofluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Vinyl acetate	U	0.5	2.0	*	µg/L	1	2/6/2014 3:22:00 PM
Vinyl chloride	U	0.5	2.0		µg/L	1	2/6/2014 3:22:00 PM
Surr: 4-Bromofluorobenzene	97.9	0	70-128		%REC	1	2/6/2014 3:22:00 PM
Surr: Dibromofluoromethane	96.3	0	75-129		%REC	1	2/6/2014 3:22:00 PM
Surr: Toluene-d8	98.1	0	70-124		%REC	1	2/6/2014 3:22:00 PM



# American Analytical Laboratories, LLC.

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:30:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-001B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
1,2-Dichlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
1,3-Dichlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
1,4-Dichlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2,3,4,6-Tetrachlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2,4,5-Trichlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2,4,6-Trichlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2,4-Dichlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2,4-Dimethylphenol	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
2,4-Dinitrophenol	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
2,4-Dinitrotoluene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2,6-Dinitrotoluene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2-Chloronaphthalene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2-Chlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2-Methylnaphthalene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2-Methylphenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2-Nitroaniline	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
2-Nitrophenol	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
3,3'-Dichlorobenzidine	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
3+4-Methylphenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
3-Nitroaniline	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
4,6-Dinitro-2-methylphenol	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
4-Bromophenyl phenyl ether	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
4-Chloro-3-methylphenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
4-Chloroaniline	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
4-Chlorophenyl phenyl ether	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
4-Nitroaniline	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
4-Nitrophenol	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Acenaphthene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Acenaphthylene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Acetophenone	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Aniline	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Anthracene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM

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# American Analytical Laboratories, LLC.

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:30:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-001B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Atrazine	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Azobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Benzaldehyde	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Benzidine	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Benzo(a)anthracene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Benzo(a)pyrene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Benzo(b)fluoranthene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Benzo(g,h,i)perylene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Benzo(k)fluoranthene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Benzoic acid	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Benzyl alcohol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Biphenyl	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Bis(2-chloroethoxy)methane	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Bis(2-chloroethyl)ether	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Bis(2-chloroisopropyl)ether	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Bis(2-ethylhexyl)phthalate	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Butyl benzyl phthalate	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Caprolactam	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Carbazole	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Chrysene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Dibenzo(a,h)anthracene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Dibenzofuran	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Diethyl phthalate	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Dimethyl phthalate	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Di-n-butyl phthalate	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Di-n-octyl phthalate	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Fluoranthene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Fluorene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Hexachlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Hexachlorobutadiene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Hexachlorocyclopentadiene	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Hexachloroethane	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM

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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:30:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-001B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Isophorone	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Naphthalene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Nitrobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
N-Nitrosodimethylamine	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
N-Nitrosodi-n-propylamine	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
N-Nitrosodiphenylamine	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Parathion	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Pentachlorophenol	U	1	10		µg/L	1	2/7/2014 2:00:00 AM
Phenanthrene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Phenol	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Pyrene	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Pyridine	U	0.5	5.0		µg/L	1	2/7/2014 2:00:00 AM
Surr: 2,4,6-Tribromophenol	61.3	0	18-134		%REC	1	2/7/2014 2:00:00 AM
Surr: 2-Fluorobiphenyl	70.4	0	22-134		%REC	1	2/7/2014 2:00:00 AM
Surr: 2-Fluorophenol	51.5	0	12-111		%REC	1	2/7/2014 2:00:00 AM
Surr: 4-Terphenyl-d14	77.0	0	20-144		%REC	1	2/7/2014 2:00:00 AM
Surr: Nitrobenzene-d5	59.9	0	21-146		%REC	1	2/7/2014 2:00:00 AM
Surr: Phenol-d6	32.0	0	10-110		%REC	1	2/7/2014 2:00:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:30:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-001C		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: <b>SB</b>
4,4'-DDD	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
4,4'-DDE	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
4,4'-DDT	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Aldrin	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
alpha-BHC	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
beta-BHC	0.025	0.01	0.051	J	µg/L	1	2/11/2014 5:51:00 PM
Chlordane	U	0.02	0.20		µg/L	1	2/11/2014 5:51:00 PM
Chlorobenzilate	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
DBCP	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
delta-BHC	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Dieldrin	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Endosulfan I	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Endosulfan II	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Endosulfan sulfate	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Endrin	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Endrin aldehyde	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Endrin ketone	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
gamma-BHC	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Heptachlor	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Heptachlor epoxide	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Hexachlorobenzene	0.031	0.01	0.051	J	µg/L	1	2/11/2014 5:51:00 PM
Hexachlorocyclopentadiene	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Methoxychlor	U	0.01	0.051		µg/L	1	2/11/2014 5:51:00 PM
Toxaphene	U	0.06	0.51		µg/L	1	2/11/2014 5:51:00 PM
Surr: DCB	76.6	0	23-146		%REC	1	2/11/2014 5:51:00 PM
Surr: TCX	106	0	22-143		%REC	1	2/11/2014 5:51:00 PM



**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC

**Client Sample ID:** MW-1

**Lab Order:** 1402006

**Collection Date:** 2/4/2014 11:30:00 AM

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**Matrix:** LIQUID

**Lab ID:** 1402006-001D

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							Analyst: <b>SB</b>
			<b>SW8082A</b>		<b>SW3510C</b>		
Aroclor 1016	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Aroclor 1221	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Aroclor 1232	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Aroclor 1242	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Aroclor 1248	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Aroclor 1254	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Aroclor 1260	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Aroclor 1262	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Aroclor 1268	U	0.26	0.51		µg/L	1	2/11/2014 8:18:00 PM
Surr: DCB	76.2	0	15-147		%REC	1	2/11/2014 8:18:00 PM
Surr: TCX	106	0	14-144		%REC	1	2/11/2014 8:18:00 PM



**American Analytical Laboratories, LLC.**

**Date:** 12-Feb-14

**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:30:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-001E		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>			<b>E245.1</b>				Analyst: <b>JP</b>
Mercury	U	0.0002	0.000250		mg/L	1	2/6/2014 10:23:51 AM
<b>TOTAL METALS</b>			<b>E200.7</b>		<b>SW3010A</b>		Analyst: <b>JP</b>
Aluminum	5.02	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Antimony	U	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Arsenic	U	0.01	0.0250		mg/L	1	2/5/2014 4:02:28 PM
Barium	0.165	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Beryllium	U	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Cadmium	U	0.005	0.0100		mg/L	1	2/5/2014 4:02:28 PM
Calcium	33.2	0.005	0.0250		mg/L	1	2/5/2014 4:02:28 PM
Chromium	0.0442	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Cobalt	U	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Copper	0.0239	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Iron	16.4	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Lead	0.00814	0.005	0.0150	J	mg/L	1	2/5/2014 4:02:28 PM
Magnesium	6.11	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Manganese	1.08	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Nickel	0.0293	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Potassium	6.53	0.05	0.200		mg/L	1	2/5/2014 4:02:28 PM
Selenium	U	0.01	0.0250		mg/L	1	2/5/2014 4:02:28 PM
Silver	U	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM
Sodium	28.7	0.005	0.0300		mg/L	1	2/5/2014 4:02:28 PM
Thallium	U	0.01	0.0150		mg/L	1	2/5/2014 4:02:28 PM
Vanadium	0.0121	0.005	0.0200	J	mg/L	1	2/5/2014 4:02:28 PM
Zinc	0.0638	0.005	0.0200		mg/L	1	2/5/2014 4:02:28 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:30:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-001F		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY-DISSOLVED</b>			<b>E245.1</b>		<b>SW3005A</b>		Analyst: JP
Mercury	U	0.0002	0.000250		mg/L	1	2/6/2014 10:13:11 AM
<b>DISSOLVED METALS</b>			<b>E200.7</b>		<b>SW3005A</b>		Analyst: JP
Aluminum	0.00535	0.005	0.0200	J	mg/L	1	2/5/2014 3:19:17 PM
Antimony	U	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Arsenic	U	0.01	0.0250		mg/L	1	2/5/2014 3:19:17 PM
Barium	0.133	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Beryllium	U	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Cadmium	U	0.005	0.0100		mg/L	1	2/5/2014 3:19:17 PM
Calcium	35.0	0.005	0.0250		mg/L	1	2/5/2014 3:19:17 PM
Chromium	U	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Cobalt	U	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Copper	U	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Iron	0.0141	0.005	0.0200	J	mg/L	1	2/5/2014 3:19:17 PM
Lead	U	0.005	0.0150		mg/L	1	2/5/2014 3:19:17 PM
Magnesium	4.76	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Manganese	0.520	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Nickel	U	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Potassium	6.37	0.05	0.100		mg/L	1	2/5/2014 3:19:17 PM
Selenium	U	0.01	0.0250		mg/L	1	2/5/2014 3:19:17 PM
Silver	U	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Sodium	33.2	0.005	0.0300		mg/L	1	2/5/2014 3:19:17 PM
Thallium	U	0.01	0.0150		mg/L	1	2/5/2014 3:19:17 PM
Vanadium	U	0.005	0.0200		mg/L	1	2/5/2014 3:19:17 PM
Zinc	0.00690	0.005	0.0200	J	mg/L	1	2/5/2014 3:19:17 PM



**American Analytical Laboratories, LLC.**

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-2
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:50:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-002A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,1,1-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,1,2,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,1,2-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,1-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,1-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,1-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2,3-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2,3-Trichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2,4,5-Tetramethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2,4-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2,4-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2-Dibromoethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,3,5-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,3-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,3-dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,4-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
1,4-Dioxane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
2,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
2-Butanone	U	1.25	5.0		µg/L	1	2/6/2014 3:49:00 PM
2-Chloroethyl vinyl ether	U	1	4.0		µg/L	1	2/6/2014 3:49:00 PM
2-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
2-Hexanone	U	1.25	5.0		µg/L	1	2/6/2014 3:49:00 PM
2-Propanol	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
4-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
4-Isopropyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
4-Methyl-2-pentanone	U	1.25	5.0		µg/L	1	2/6/2014 3:49:00 PM
Acetone	6.4	1.25	5.0	B*	µg/L	1	2/6/2014 3:49:00 PM

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ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-2
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:50:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-002A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Bromobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Bromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Bromodichloromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Bromoform	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Bromomethane	U	1	4.0	*	µg/L	1	2/6/2014 3:49:00 PM
Carbon disulfide	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Carbon tetrachloride	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Chlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Chlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Chloroethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Chloroform	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Chloromethane	U	0.5	2.0	*	µg/L	1	2/6/2014 3:49:00 PM
cis-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
cis-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Cyclohexane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Dibromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Dibromomethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Dichlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Diisopropyl ether	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Ethanol	U	2.5	10	*	µg/L	1	2/6/2014 3:49:00 PM
Ethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Freon-114	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Hexachlorobutadiene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Isopropylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
m,p-Xylene	U	1	4.0		µg/L	1	2/6/2014 3:49:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Methyl tert-butyl ether	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Methylene chloride	7.8	0.5	2.0	B*	µg/L	1	2/6/2014 3:49:00 PM
Naphthalene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
n-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
n-Propylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 3:49:00 PM
o-Xylene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM

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**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC  
**Lab Order:** 1402006  
**Project:** 102-14 & 102-16 Liberty Ave., Queens  
**Lab ID:** 1402006-002A

**Client Sample ID:** MW-2  
**Collection Date:** 2/4/2014 11:50:00 AM  
**Matrix:** LIQUID

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
p-Diethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
p-Ethyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
sec-Butylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 3:49:00 PM
Styrene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
t-Butyl alcohol	U	2.5	10		µg/L	1	2/6/2014 3:49:00 PM
tert-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Tetrachloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Toluene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
trans-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
trans-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Trichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Trichlorofluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Vinyl acetate	U	0.5	2.0	*	µg/L	1	2/6/2014 3:49:00 PM
Vinyl chloride	U	0.5	2.0		µg/L	1	2/6/2014 3:49:00 PM
Surr: 4-Bromofluorobenzene	97.8	0	70-128		%REC	1	2/6/2014 3:49:00 PM
Surr: Dibromofluoromethane	99.9	0	75-129		%REC	1	2/6/2014 3:49:00 PM
Surr: Toluene-d8	100	0	70-124		%REC	1	2/6/2014 3:49:00 PM



**American Analytical Laboratories, LLC.**

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-2
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:50:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
1,2-Dichlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
1,3-Dichlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
1,4-Dichlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2,3,4,6-Tetrachlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2,4,5-Trichlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2,4,6-Trichlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2,4-Dichlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2,4-Dimethylphenol	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
2,4-Dinitrophenol	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
2,4-Dinitrotoluene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2,6-Dinitrotoluene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2-Chloronaphthalene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2-Chlorophenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2-Methylnaphthalene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2-Methylphenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2-Nitroaniline	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
2-Nitrophenol	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
3,3'-Dichlorobenzidine	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
3+4-Methylphenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
3-Nitroaniline	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
4,6-Dinitro-2-methylphenol	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
4-Bromophenyl phenyl ether	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
4-Chloro-3-methylphenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
4-Chloroaniline	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
4-Chlorophenyl phenyl ether	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
4-Nitroaniline	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
4-Nitrophenol	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Acenaphthene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Acenaphthylene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Acetophenone	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Aniline	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Anthracene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



# American Analytical Laboratories, LLC.

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-2
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:50:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-002B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Atrazine	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Azobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Benzaldehyde	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Benzidine	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Benzo(a)anthracene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Benzo(a)pyrene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Benzo(b)fluoranthene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Benzo(g,h,i)perylene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Benzo(k)fluoranthene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Benzoic acid	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Benzyl alcohol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Biphenyl	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Bis(2-chloroethoxy)methane	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Bis(2-chloroethyl)ether	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Bis(2-chloroisopropyl)ether	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Bis(2-ethylhexyl)phthalate	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Butyl benzyl phthalate	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Caprolactam	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Carbazole	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Chrysene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Dibenzo(a,h)anthracene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Dibenzofuran	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Diethyl phthalate	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Dimethyl phthalate	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Di-n-butyl phthalate	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Di-n-octyl phthalate	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Fluoranthene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Fluorene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Hexachlorobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Hexachlorobutadiene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Hexachlorocyclopentadiene	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Hexachloroethane	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM

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**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC  
**Lab Order:** 1402006  
**Project:** 102-14 & 102-16 Liberty Ave., Queens  
**Lab ID:** 1402006-002B

**Client Sample ID:** MW-2  
**Collection Date:** 2/4/2014 11:50:00 AM  
**Matrix:** LIQUID

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Isophorone	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Naphthalene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Nitrobenzene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
N-Nitrosodimethylamine	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
N-Nitrosodi-n-propylamine	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
N-Nitrosodiphenylamine	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Parathion	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Pentachlorophenol	U	1	10		µg/L	1	2/7/2014 2:24:00 AM
Phenanthrene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Phenol	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Pyrene	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Pyridine	U	0.5	5.0		µg/L	1	2/7/2014 2:24:00 AM
Surr: 2,4,6-Tribromophenol	66.4	0	18-134		%REC	1	2/7/2014 2:24:00 AM
Surr: 2-Fluorobiphenyl	70.3	0	22-134		%REC	1	2/7/2014 2:24:00 AM
Surr: 2-Fluorophenol	55.8	0	12-111		%REC	1	2/7/2014 2:24:00 AM
Surr: 4-Terphenyl-d14	78.2	0	20-144		%REC	1	2/7/2014 2:24:00 AM
Surr: Nitrobenzene-d5	61.7	0	21-146		%REC	1	2/7/2014 2:24:00 AM
Surr: Phenol-d6	35.1	0	10-110		%REC	1	2/7/2014 2:24:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-2
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:50:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-002C		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: <b>SB</b>
4,4'-DDD	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
4,4'-DDE	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
4,4'-DDT	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Aldrin	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
alpha-BHC	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
beta-BHC	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Chlordane	U	0.02	0.20		µg/L	1	2/11/2014 6:05:00 PM
Chlorobenzilate	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
DBCP	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
delta-BHC	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Dieldrin	0.013	0.01	0.050	J	µg/L	1	2/11/2014 6:05:00 PM
Endosulfan I	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Endosulfan II	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Endosulfan sulfate	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Endrin	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Endrin aldehyde	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Endrin ketone	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
gamma-BHC	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Heptachlor	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Heptachlor epoxide	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Hexachlorobenzene	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Hexachlorocyclopentadiene	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Methoxychlor	U	0.01	0.050		µg/L	1	2/11/2014 6:05:00 PM
Toxaphene	U	0.06	0.50		µg/L	1	2/11/2014 6:05:00 PM
Surr: DCB	110	0	23-146		%REC	1	2/11/2014 6:05:00 PM
Surr: TCX	104	0	22-143		%REC	1	2/11/2014 6:05:00 PM



**ELAP ID :** 11418

**CLIENT:** J.R. Holzmacher P.E. LLC  
**Lab Order:** 1402006  
**Project:** 102-14 & 102-16 Liberty Ave., Queens  
**Lab ID:** 1402006-002D

**Client Sample ID:** MW-2  
**Collection Date:** 2/4/2014 11:50:00 AM  
**Matrix:** LIQUID

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>			<b>SW8082A</b>		<b>SW3510C</b>		Analyst: <b>SB</b>
Aroclor 1016	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Aroclor 1221	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Aroclor 1232	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Aroclor 1242	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Aroclor 1248	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Aroclor 1254	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Aroclor 1260	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Aroclor 1262	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Aroclor 1268	U	0.25	0.50		µg/L	1	2/11/2014 8:42:00 PM
Surr: DCB	94.5	0	15-147		%REC	1	2/11/2014 8:42:00 PM
Surr: TCX	88.2	0	14-144		%REC	1	2/11/2014 8:42:00 PM



**American Analytical Laboratories, LLC.**

**Date:** 12-Feb-14

**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-2
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:50:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-002E		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>			<b>E245.1</b>				Analyst: <b>JP</b>
Mercury	U	0.0002	0.000250		mg/L	1	2/6/2014 10:25:59 AM
<b>TOTAL METALS</b>			<b>E200.7</b>		<b>SW3010A</b>		Analyst: <b>JP</b>
Aluminum	2.31	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Antimony	U	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Arsenic	U	0.01	0.0250		mg/L	1	2/5/2014 4:04:30 PM
Barium	0.127	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Beryllium	U	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Cadmium	U	0.005	0.0100		mg/L	1	2/5/2014 4:04:30 PM
Calcium	21.2	0.005	0.0250		mg/L	1	2/5/2014 4:04:30 PM
Chromium	0.0172	0.005	0.0200	J	mg/L	1	2/5/2014 4:04:30 PM
Cobalt	U	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Copper	0.0145	0.005	0.0200	J	mg/L	1	2/5/2014 4:04:30 PM
Iron	4.92	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Lead	U	0.005	0.0150		mg/L	1	2/5/2014 4:04:30 PM
Magnesium	3.87	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Manganese	0.876	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Nickel	0.0109	0.005	0.0200	J	mg/L	1	2/5/2014 4:04:30 PM
Potassium	4.73	0.05	0.200		mg/L	1	2/5/2014 4:04:30 PM
Selenium	U	0.01	0.0250		mg/L	1	2/5/2014 4:04:30 PM
Silver	U	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Sodium	30.2	0.005	0.0300		mg/L	1	2/5/2014 4:04:30 PM
Thallium	U	0.01	0.0150		mg/L	1	2/5/2014 4:04:30 PM
Vanadium	U	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM
Zinc	0.0336	0.005	0.0200		mg/L	1	2/5/2014 4:04:30 PM

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 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-2
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:50:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-002F		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY-DISSOLVED</b>			<b>E245.1</b>		<b>SW3005A</b>		Analyst: JP
Mercury	U	0.0002	0.000250		mg/L	1	2/6/2014 10:15:18 AM
<b>DISSOLVED METALS</b>			<b>E200.7</b>		<b>SW3005A</b>		Analyst: JP
Aluminum	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Antimony	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Arsenic	U	0.01	0.0250		mg/L	1	2/5/2014 3:21:20 PM
Barium	0.124	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Beryllium	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Cadmium	U	0.005	0.0100		mg/L	1	2/5/2014 3:21:20 PM
Calcium	22.7	0.005	0.0250		mg/L	1	2/5/2014 3:21:20 PM
Chromium	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Cobalt	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Copper	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Iron	0.00778	0.005	0.0200	J	mg/L	1	2/5/2014 3:21:20 PM
Lead	U	0.005	0.0150		mg/L	1	2/5/2014 3:21:20 PM
Magnesium	3.41	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Manganese	0.719	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Nickel	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Potassium	5.37	0.05	0.100		mg/L	1	2/5/2014 3:21:20 PM
Selenium	U	0.01	0.0250		mg/L	1	2/5/2014 3:21:20 PM
Silver	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Sodium	34.5	0.005	0.0300		mg/L	1	2/5/2014 3:21:20 PM
Thallium	U	0.01	0.0150		mg/L	1	2/5/2014 3:21:20 PM
Vanadium	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM
Zinc	U	0.005	0.0200		mg/L	1	2/5/2014 3:21:20 PM



# American Analytical Laboratories, LLC.

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 12:10:00 PM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-003A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,1,1-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,1,2,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,1,2-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,1-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,1-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,1-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2,3-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2,3-Trichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2,4,5-Tetramethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2,4-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2,4-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2-Dibromoethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,3,5-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,3-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,3-dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,4-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
1,4-Dioxane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
2,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
2-Butanone	U	1.25	5.0		µg/L	1	2/6/2014 4:17:00 PM
2-Chloroethyl vinyl ether	U	1	4.0		µg/L	1	2/6/2014 4:17:00 PM
2-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
2-Hexanone	U	1.25	5.0		µg/L	1	2/6/2014 4:17:00 PM
2-Propanol	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
4-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
4-Isopropyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
4-Methyl-2-pentanone	U	1.25	5.0		µg/L	1	2/6/2014 4:17:00 PM
Acetone	5.6	1.25	5.0	B*	µg/L	1	2/6/2014 4:17:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 12:10:00 PM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Bromobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Bromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Bromodichloromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Bromoform	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Bromomethane	U	1	4.0	*	µg/L	1	2/6/2014 4:17:00 PM
Carbon disulfide	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Carbon tetrachloride	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Chlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Chlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Chloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Chloroform	8.5	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Chloromethane	U	0.5	2.0	*	µg/L	1	2/6/2014 4:17:00 PM
cis-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
cis-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Cyclohexane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Dibromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Dibromomethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Dichlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Diisopropyl ether	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Ethanol	U	2.5	10	*	µg/L	1	2/6/2014 4:17:00 PM
Ethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Freon-114	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Hexachlorobutadiene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Isopropylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
m,p-Xylene	U	1	4.0		µg/L	1	2/6/2014 4:17:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Methyl tert-butyl ether	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Methylene chloride	7.3	0.5	2.0	B*	µg/L	1	2/6/2014 4:17:00 PM
Naphthalene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
n-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
n-Propylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 4:17:00 PM
o-Xylene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM



**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC

**Client Sample ID:** MW-3

**Lab Order:** 1402006

**Collection Date:** 2/4/2014 12:10:00 PM

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**Matrix:** LIQUID

**Lab ID:** 1402006-003A

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: <b>LA</b>	
p-Diethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
p-Ethyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
sec-Butylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 4:17:00 PM
Styrene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
t-Butyl alcohol	U	2.5	10		µg/L	1	2/6/2014 4:17:00 PM
tert-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Tetrachloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Toluene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
trans-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
trans-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Trichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Trichlorofluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Vinyl acetate	U	0.5	2.0	*	µg/L	1	2/6/2014 4:17:00 PM
Vinyl chloride	U	0.5	2.0		µg/L	1	2/6/2014 4:17:00 PM
Surr: 4-Bromofluorobenzene	96.3	0	70-128		%REC	1	2/6/2014 4:17:00 PM
Surr: Dibromofluoromethane	98.8	0	75-129		%REC	1	2/6/2014 4:17:00 PM
Surr: Toluene-d8	99.1	0	70-124		%REC	1	2/6/2014 4:17:00 PM



**American Analytical Laboratories, LLC.**

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 12:10:00 PM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-003B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
1,2-Dichlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
1,3-Dichlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
1,4-Dichlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2,3,4,6-Tetrachlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2,4,5-Trichlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2,4,6-Trichlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2,4-Dichlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2,4-Dimethylphenol	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
2,4-Dinitrophenol	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
2,4-Dinitrotoluene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2,6-Dinitrotoluene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2-Chloronaphthalene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2-Chlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2-Methylnaphthalene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2-Methylphenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2-Nitroaniline	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
2-Nitrophenol	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
3,3'-Dichlorobenzidine	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
3+4-Methylphenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
3-Nitroaniline	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
4,6-Dinitro-2-methylphenol	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
4-Bromophenyl phenyl ether	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
4-Chloro-3-methylphenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
4-Chloroaniline	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
4-Chlorophenyl phenyl ether	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
4-Nitroaniline	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
4-Nitrophenol	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Acenaphthene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Acenaphthylene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Acetophenone	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Aniline	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Anthracene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 12:10:00 PM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Atrazine	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Azobenzene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Benzaldehyde	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Benzidine	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Benzo(a)anthracene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Benzo(a)pyrene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Benzo(b)fluoranthene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Benzo(g,h,i)perylene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Benzo(k)fluoranthene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Benzoic acid	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Benzyl alcohol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Biphenyl	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Bis(2-chloroethoxy)methane	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Bis(2-chloroethyl)ether	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Bis(2-chloroisopropyl)ether	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Bis(2-ethylhexyl)phthalate	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Butyl benzyl phthalate	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Caprolactam	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Carbazole	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Chrysene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Dibenzo(a,h)anthracene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Dibenzofuran	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Diethyl phthalate	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Dimethyl phthalate	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Di-n-butyl phthalate	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Di-n-octyl phthalate	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Fluoranthene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Fluorene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Hexachlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Hexachlorobutadiene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Hexachlorocyclopentadiene	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Hexachloroethane	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM

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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 12:10:00 PM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-003B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Isophorone	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Naphthalene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Nitrobenzene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
N-Nitrosodimethylamine	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
N-Nitrosodi-n-propylamine	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
N-Nitrosodiphenylamine	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Parathion	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Pentachlorophenol	U	1.03	10		µg/L	1	2/7/2014 2:48:00 AM
Phenanthrene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Phenol	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Pyrene	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Pyridine	U	0.52	5.2		µg/L	1	2/7/2014 2:48:00 AM
Surr: 2,4,6-Tribromophenol	68.8	0	18-134		%REC	1	2/7/2014 2:48:00 AM
Surr: 2-Fluorobiphenyl	68.2	0	22-134		%REC	1	2/7/2014 2:48:00 AM
Surr: 2-Fluorophenol	48.6	0	12-111		%REC	1	2/7/2014 2:48:00 AM
Surr: 4-Terphenyl-d14	82.6	0	20-144		%REC	1	2/7/2014 2:48:00 AM
Surr: Nitrobenzene-d5	56.7	0	21-146		%REC	1	2/7/2014 2:48:00 AM
Surr: Phenol-d6	31.0	0	10-110		%REC	1	2/7/2014 2:48:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 12:10:00 PM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-003C		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							Analyst: <b>SB</b>
			<b>SW8081B</b>		<b>SW3510C</b>		
4,4'-DDD	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
4,4'-DDE	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
4,4'-DDT	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Aldrin	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
alpha-BHC	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
beta-BHC	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Chlordane	U	0.02	0.20		µg/L	1	2/11/2014 6:20:00 PM
Chlorobenzilate	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
DBCP	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
delta-BHC	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Dieldrin	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Endosulfan I	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Endosulfan II	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Endosulfan sulfate	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Endrin	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Endrin aldehyde	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Endrin ketone	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
gamma-BHC	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Heptachlor	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Heptachlor epoxide	0.012	0.01	0.051	J	µg/L	1	2/11/2014 6:20:00 PM
Hexachlorobenzene	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Hexachlorocyclopentadiene	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Methoxychlor	U	0.01	0.051		µg/L	1	2/11/2014 6:20:00 PM
Toxaphene	U	0.06	0.51		µg/L	1	2/11/2014 6:20:00 PM
Surr: DCB	83.8	0	23-146		%REC	1	2/11/2014 6:20:00 PM
Surr: TCX	86.9	0	22-143		%REC	1	2/11/2014 6:20:00 PM



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 12:10:00 PM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-003D		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							Analyst: <b>SB</b>
			<b>SW8082A</b>		<b>SW3510C</b>		
Aroclor 1016	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Aroclor 1221	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Aroclor 1232	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Aroclor 1242	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Aroclor 1248	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Aroclor 1254	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Aroclor 1260	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Aroclor 1262	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Aroclor 1268	U	0.25	0.51		µg/L	1	2/11/2014 9:07:00 PM
Surr: DCB	78.9	0	15-147		%REC	1	2/11/2014 9:07:00 PM
Surr: TCX	92.7	0	14-144		%REC	1	2/11/2014 9:07:00 PM



# American Analytical Laboratories, LLC.

Date: 12-Feb-14

ELAP ID : 11418

**CLIENT:** J.R. Holzmacher P.E. LLC  
**Lab Order:** 1402006  
**Project:** 102-14 & 102-16 Liberty Ave., Queens  
**Lab ID:** 1402006-003E

**Client Sample ID:** MW-3  
**Collection Date:** 2/4/2014 12:10:00 PM  
**Matrix:** LIQUID

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>			<b>E245.1</b>				Analyst: JP
Mercury	U	0.0002	0.000250		mg/L	1	2/6/2014 10:28:09 AM
<b>TOTAL METALS</b>			<b>E200.7</b>		<b>SW3010A</b>		Analyst: JP
Aluminum	13.9	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Antimony	U	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Arsenic	U	0.01	0.0250		mg/L	1	2/5/2014 4:06:32 PM
Barium	0.196	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Beryllium	U	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Cadmium	U	0.005	0.0100		mg/L	1	2/5/2014 4:06:32 PM
Calcium	9.82	0.005	0.0250		mg/L	1	2/5/2014 4:06:32 PM
Chromium	0.0876	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Cobalt	0.00738	0.005	0.0200	J	mg/L	1	2/5/2014 4:06:32 PM
Copper	0.0480	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Iron	28.8	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Lead	0.0172	0.005	0.0150		mg/L	1	2/5/2014 4:06:32 PM
Magnesium	5.46	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Manganese	2.04	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Nickel	0.0433	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Potassium	5.23	0.05	0.200		mg/L	1	2/5/2014 4:06:32 PM
Selenium	U	0.01	0.0250		mg/L	1	2/5/2014 4:06:32 PM
Silver	U	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Sodium	17.1	0.005	0.0300		mg/L	1	2/5/2014 4:06:32 PM
Thallium	U	0.01	0.0150		mg/L	1	2/5/2014 4:06:32 PM
Vanadium	0.0351	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM
Zinc	0.0886	0.005	0.0200		mg/L	1	2/5/2014 4:06:32 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 12-Feb-14

**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 12:10:00 PM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-003F		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY-DISSOLVED</b>			<b>E245.1</b>		<b>SW3005A</b>		Analyst: <b>JP</b>
Mercury	U	0.0002	0.000250		mg/L	1	2/6/2014 10:17:26 AM
<b>DISSOLVED METALS</b>			<b>E200.7</b>		<b>SW3005A</b>		Analyst: <b>JP</b>
Aluminum	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Antimony	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Arsenic	U	0.01	0.0250		mg/L	1	2/5/2014 3:32:06 PM
Barium	0.0590	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Beryllium	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Cadmium	U	0.005	0.0100		mg/L	1	2/5/2014 3:32:06 PM
Calcium	7.10	0.005	0.0250		mg/L	1	2/5/2014 3:32:06 PM
Chromium	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Cobalt	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Copper	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Iron	0.00822	0.005	0.0200	J	mg/L	1	2/5/2014 3:32:06 PM
Lead	U	0.005	0.0150		mg/L	1	2/5/2014 3:32:06 PM
Magnesium	1.38	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Manganese	0.686	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Nickel	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Potassium	3.23	0.05	0.100		mg/L	1	2/5/2014 3:32:06 PM
Selenium	U	0.01	0.0250		mg/L	1	2/5/2014 3:32:06 PM
Silver	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Sodium	19.2	0.005	0.0300		mg/L	1	2/5/2014 3:32:06 PM
Thallium	U	0.01	0.0150		mg/L	1	2/5/2014 3:32:06 PM
Vanadium	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM
Zinc	U	0.005	0.0200		mg/L	1	2/5/2014 3:32:06 PM



**American Analytical Laboratories, LLC.**

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	FB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:28:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-004A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,1,1-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,1,2,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,1,2-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,1-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,1-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,1-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2,3-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2,3-Trichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2,4,5-Tetramethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2,4-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2,4-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2-Dibromoethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,3,5-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,3-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,3-dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,4-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
1,4-Dioxane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
2,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
2-Butanone	U	1.25	5.0		µg/L	1	2/6/2014 4:45:00 PM
2-Chloroethyl vinyl ether	U	1	4.0		µg/L	1	2/6/2014 4:45:00 PM
2-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
2-Hexanone	U	1.25	5.0		µg/L	1	2/6/2014 4:45:00 PM
2-Propanol	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
4-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
4-Isopropyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
4-Methyl-2-pentanone	U	1.25	5.0		µg/L	1	2/6/2014 4:45:00 PM
Acetone	5.9	1.25	5.0	B*	µg/L	1	2/6/2014 4:45:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	FB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:28:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-004A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
Benzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Bromobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Bromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Bromodichloromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Bromoform	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Bromomethane	U	1	4.0	*	µg/L	1	2/6/2014 4:45:00 PM
Carbon disulfide	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Carbon tetrachloride	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Chlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Chlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Chloroethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Chloroform	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Chloromethane	U	0.5	2.0	*	µg/L	1	2/6/2014 4:45:00 PM
cis-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
cis-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Cyclohexane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Dibromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Dibromomethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Dichlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Diisopropyl ether	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Ethanol	U	2.5	10	*	µg/L	1	2/6/2014 4:45:00 PM
Ethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Freon-114	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Hexachlorobutadiene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Isopropylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
m,p-Xylene	U	1	4.0		µg/L	1	2/6/2014 4:45:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Methyl tert-butyl ether	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Methylene chloride	6.9	0.5	2.0	B*	µg/L	1	2/6/2014 4:45:00 PM
Naphthalene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
n-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
n-Propylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 4:45:00 PM
o-Xylene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM



**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC

**Client Sample ID:** FB

**Lab Order:** 1402006

**Collection Date:** 2/4/2014 11:28:00 AM

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**Matrix:** LIQUID

**Lab ID:** 1402006-004A

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: <b>LA</b>	
p-Diethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
p-Ethyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
sec-Butylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 4:45:00 PM
Styrene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
t-Butyl alcohol	U	2.5	10		µg/L	1	2/6/2014 4:45:00 PM
tert-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Tetrachloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Toluene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
trans-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
trans-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Trichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Trichlorofluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Vinyl acetate	U	0.5	2.0	*	µg/L	1	2/6/2014 4:45:00 PM
Vinyl chloride	U	0.5	2.0		µg/L	1	2/6/2014 4:45:00 PM
Surr: 4-Bromofluorobenzene	98.0	0	70-128		%REC	1	2/6/2014 4:45:00 PM
Surr: Dibromofluoromethane	98.9	0	75-129		%REC	1	2/6/2014 4:45:00 PM
Surr: Toluene-d8	99.7	0	70-124		%REC	1	2/6/2014 4:45:00 PM



# American Analytical Laboratories, LLC.

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	FB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:28:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-004B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
1,2-Dichlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
1,3-Dichlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
1,4-Dichlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2,3,4,6-Tetrachlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2,4,5-Trichlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2,4,6-Trichlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2,4-Dichlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2,4-Dimethylphenol	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
2,4-Dinitrophenol	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
2,4-Dinitrotoluene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2,6-Dinitrotoluene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2-Chloronaphthalene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2-Chlorophenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2-Methylnaphthalene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2-Methylphenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2-Nitroaniline	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
2-Nitrophenol	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
3,3'-Dichlorobenzidine	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
3+4-Methylphenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
3-Nitroaniline	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
4,6-Dinitro-2-methylphenol	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
4-Bromophenyl phenyl ether	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
4-Chloro-3-methylphenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
4-Chloroaniline	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
4-Chlorophenyl phenyl ether	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
4-Nitroaniline	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
4-Nitrophenol	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Acenaphthene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Acenaphthylene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Acetophenone	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Aniline	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Anthracene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM

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 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	FB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:28:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Atrazine	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Azobenzene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Benzaldehyde	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Benzydine	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Benzo(a)anthracene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Benzo(a)pyrene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Benzo(b)fluoranthene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Benzo(g,h,i)perylene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Benzo(k)fluoranthene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Benzoic acid	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Benzyl alcohol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Biphenyl	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Bis(2-chloroethoxy)methane	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Bis(2-chloroethyl)ether	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Bis(2-chloroisopropyl)ether	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Bis(2-ethylhexyl)phthalate	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Butyl benzyl phthalate	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Caprolactam	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Carbazole	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Chrysene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Dibenzo(a,h)anthracene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Dibenzofuran	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Diethyl phthalate	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Dimethyl phthalate	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Di-n-butyl phthalate	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Di-n-octyl phthalate	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Fluoranthene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Fluorene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Hexachlorobenzene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Hexachlorobutadiene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Hexachlorocyclopentadiene	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Hexachloroethane	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM

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**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	FB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:28:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Isophorone	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Naphthalene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Nitrobenzene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
N-Nitrosodimethylamine	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
N-Nitrosodi-n-propylamine	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
N-Nitrosodiphenylamine	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Parathion	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Pentachlorophenol	U	1.04	10		µg/L	1	2/7/2014 3:13:00 AM
Phenanthrene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Phenol	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Pyrene	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Pyridine	U	0.52	5.2		µg/L	1	2/7/2014 3:13:00 AM
Surr: 2,4,6-Tribromophenol	62.3	0	18-134		%REC	1	2/7/2014 3:13:00 AM
Surr: 2-Fluorobiphenyl	70.9	0	22-134		%REC	1	2/7/2014 3:13:00 AM
Surr: 2-Fluorophenol	52.2	0	12-111		%REC	1	2/7/2014 3:13:00 AM
Surr: 4-Terphenyl-d14	80.6	0	20-144		%REC	1	2/7/2014 3:13:00 AM
Surr: Nitrobenzene-d5	61.7	0	21-146		%REC	1	2/7/2014 3:13:00 AM
Surr: Phenol-d6	33.8	0	10-110		%REC	1	2/7/2014 3:13:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	FB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:28:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-004C		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3510C</b>		Analyst: <b>SB</b>
4,4'-DDD	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
4,4'-DDE	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
4,4'-DDT	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Aldrin	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
alpha-BHC	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
beta-BHC	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Chlordane	U	0.02	0.20		µg/L	1	2/11/2014 6:34:00 PM
Chlorobenzilate	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
DBCP	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
delta-BHC	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Dieldrin	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Endosulfan I	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Endosulfan II	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Endosulfan sulfate	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Endrin	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Endrin aldehyde	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Endrin ketone	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
gamma-BHC	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Heptachlor	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Heptachlor epoxide	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Hexachlorobenzene	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Hexachlorocyclopentadiene	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Methoxychlor	U	0.01	0.051		µg/L	1	2/11/2014 6:34:00 PM
Toxaphene	U	0.06	0.51		µg/L	1	2/11/2014 6:34:00 PM
Surr: DCB	109	0	23-146		%REC	1	2/11/2014 6:34:00 PM
Surr: TCX	112	0	22-143		%REC	1	2/11/2014 6:34:00 PM



**ELAP ID : 11418**

**CLIENT:** J.R. Holzmacher P.E. LLC

**Client Sample ID:** FB

**Lab Order:** 1402006

**Collection Date:** 2/4/2014 11:28:00 AM

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**Matrix:** LIQUID

**Lab ID:** 1402006-004D

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>			<b>SW8082A</b>		<b>SW3510C</b>		Analyst: <b>SB</b>
Aroclor 1016	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Aroclor 1221	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Aroclor 1232	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Aroclor 1242	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Aroclor 1248	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Aroclor 1254	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Aroclor 1260	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Aroclor 1262	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Aroclor 1268	U	0.25	0.51		µg/L	1	2/12/2014 1:19:00 PM
Surr: DCB	105	0	15-147		%REC	1	2/12/2014 1:19:00 PM
Surr: TCX	110	0	14-144		%REC	1	2/12/2014 1:19:00 PM



**American Analytical Laboratories, LLC.**

**Date:** 12-Feb-14

**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	FB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014 11:28:00 AM
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-004E		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>			<b>E245.1</b>				Analyst: <b>JP</b>
Mercury	U	0.0002	0.000250		mg/L	1	2/11/2014 10:53:43 AM
<b>TOTAL METALS</b>			<b>E200.7</b>		<b>SW3010A</b>		Analyst: <b>JP</b>
Aluminum	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Antimony	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Arsenic	U	0.01	0.0250		mg/L	1	2/5/2014 4:09:14 PM
Barium	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Beryllium	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Cadmium	U	0.005	0.0100		mg/L	1	2/5/2014 4:09:14 PM
Calcium	0.0828	0.005	0.0250		mg/L	1	2/5/2014 4:09:14 PM
Chromium	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Cobalt	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Copper	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Iron	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Lead	U	0.005	0.0150		mg/L	1	2/5/2014 4:09:14 PM
Magnesium	0.0151	0.005	0.0200	J	mg/L	1	2/5/2014 4:09:14 PM
Manganese	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Nickel	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Potassium	U	0.05	0.200		mg/L	1	2/5/2014 4:09:14 PM
Selenium	U	0.01	0.0250		mg/L	1	2/5/2014 4:09:14 PM
Silver	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Sodium	0.0473	0.005	0.0300		mg/L	1	2/5/2014 4:09:14 PM
Thallium	U	0.01	0.0150		mg/L	1	2/5/2014 4:09:14 PM
Vanadium	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM
Zinc	U	0.005	0.0200		mg/L	1	2/5/2014 4:09:14 PM

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**American Analytical Laboratories, LLC.**

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	TB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-005A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,1,1-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,1,2,2-Tetrachloroethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,1,2-Trichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,1-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,1-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,1-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2,3-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2,3-Trichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2,4,5-Tetramethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2,4-Trichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2,4-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2-Dibromoethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2-Dichloroethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,3,5-Trimethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,3-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,3-dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,4-Dichlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
1,4-Dioxane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
2,2-Dichloropropane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
2-Butanone	U	1.25	5.0		µg/L	1	2/6/2014 5:12:00 PM
2-Chloroethyl vinyl ether	U	1	4.0		µg/L	1	2/6/2014 5:12:00 PM
2-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
2-Hexanone	U	1.25	5.0		µg/L	1	2/6/2014 5:12:00 PM
2-Propanol	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
4-Chlorotoluene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
4-Isopropyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
4-Methyl-2-pentanone	U	1.25	5.0		µg/L	1	2/6/2014 5:12:00 PM
Acetone	5.5	1.25	5.0	B*	µg/L	1	2/6/2014 5:12:00 PM

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**American Analytical Laboratories, LLC.**

Date: 12-Feb-14

ELAP ID : 11418

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	TB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-005A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
Benzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Bromobenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Bromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Bromodichloromethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Bromoform	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Bromomethane	U	1	4.0	*	µg/L	1	2/6/2014 5:12:00 PM
Carbon disulfide	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Carbon tetrachloride	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Chlorobenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Chlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Chloroethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Chloroform	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Chloromethane	U	0.5	2.0	*	µg/L	1	2/6/2014 5:12:00 PM
cis-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
cis-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Cyclohexane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Dibromochloromethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Dibromomethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Dichlorodifluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Diisopropyl ether	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Ethanol	U	2.5	10	*	µg/L	1	2/6/2014 5:12:00 PM
Ethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Freon-114	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Hexachlorobutadiene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Isopropylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
m,p-Xylene	U	1	4.0		µg/L	1	2/6/2014 5:12:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Methyl tert-butyl ether	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Methylene chloride	6.7	0.5	2.0	B*	µg/L	1	2/6/2014 5:12:00 PM
Naphthalene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
n-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
n-Propylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 5:12:00 PM
o-Xylene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID : 11418**

<b>CLIENT:</b>	J.R. Holzmacher P.E. LLC	<b>Client Sample ID:</b>	TB
<b>Lab Order:</b>	1402006	<b>Collection Date:</b>	2/4/2014
<b>Project:</b>	102-14 & 102-16 Liberty Ave., Queens	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1402006-005A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>							Analyst: LA
			<b>SW8260C</b>				
p-Diethylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
p-Ethyltoluene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
sec-Butylbenzene	U	0.5	2.0	*	µg/L	1	2/6/2014 5:12:00 PM
Styrene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
t-Butyl alcohol	U	2.5	10		µg/L	1	2/6/2014 5:12:00 PM
tert-Butylbenzene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Tetrachloroethene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Toluene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
trans-1,2-Dichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
trans-1,3-Dichloropropene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Trichloroethene	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Trichlorofluoromethane	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Vinyl acetate	U	0.5	2.0	*	µg/L	1	2/6/2014 5:12:00 PM
Vinyl chloride	U	0.5	2.0		µg/L	1	2/6/2014 5:12:00 PM
Surr: 4-Bromofluorobenzene	97.2	0	70-128		%REC	1	2/6/2014 5:12:00 PM
Surr: Dibromofluoromethane	98.9	0	75-129		%REC	1	2/6/2014 5:12:00 PM
Surr: Toluene-d8	99.3	0	70-124		%REC	1	2/6/2014 5:12:00 PM





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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8081\_W

Sample ID	MB-287	SampType:	MBLK	TestCode:	8081_W	Units:	µg/L	Prep Date:	2/11/2014	RunNo:	432
Client ID:	PBW	Batch ID:	287	TestNo:	SW8081B	SW3510C		Analysis Date:	2/11/2014	SeqNo:	7308
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	U	0.050									
4,4'-DDE	U	0.050									
4,4'-DDT	U	0.050									
Aldrin	U	0.050									
alpha-BHC	U	0.050									
beta-BHC	U	0.050									
Chlordane	U	0.20									
Chlorobenzilate	U	0.050									
DBCP	U	0.050									
delta-BHC	U	0.050									
Dieldrin	U	0.050									
Endosulfan I	U	0.050									
Endosulfan II	U	0.050									
Endosulfan sulfate	U	0.050									
Endrin	U	0.050									
Endrin aldehyde	U	0.050									
Endrin ketone	U	0.050									
gamma-BHC	U	0.050									
Heptachlor	U	0.050									
Heptachlor epoxide	U	0.050									
Hexachlorobenzene	U	0.050									
Hexachlorocyclopentadiene	U	0.050									
Methoxychlor	U	0.050									
Toxaphene	U	0.50									
Surr: DCB	0		0.5000		0	23	146				S
Surr: TCX	0		0.5000		0	22	143				S

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8081\_W

Sample ID <b>MB-287</b>	SampType: <b>MBLK</b>	TestCode: <b>8081_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/11/2014</b>	RunNo: <b>432</b>						
Client ID: <b>PBW</b>	Batch ID: <b>287</b>	TestNo: <b>SW8081B</b>	<b>SW3510C</b>	Analysis Date: <b>2/11/2014</b>	SeqNo: <b>7308</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID <b>LCS-287</b>	SampType: <b>LCS</b>	TestCode: <b>8081_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/11/2014</b>	RunNo: <b>432</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>287</b>	TestNo: <b>SW8081B</b>	<b>SW3510C</b>	Analysis Date: <b>2/11/2014</b>	SeqNo: <b>7309</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.20	0.050	0.2000	0	102	26	132				
4,4'-DDE	0.18	0.050	0.2000	0	89.3	20	127				
4,4'-DDT	0.22	0.050	0.2000	0	109	24	140				
Aldrin	0.19	0.050	0.2000	0	96.5	23	136				
alpha-BHC	0.21	0.050	0.2000	0	103	24	141				C
beta-BHC	0.21	0.050	0.2000	0	106	25	148				
delta-BHC	0.23	0.050	0.2000	0	116	22	147				C
Dieldrin	0.21	0.050	0.2000	0	107	28	130				
Endosulfan I	0.21	0.050	0.2000	0	103	20	129				
Endosulfan II	0.22	0.050	0.2000	0	110	21	125				
Endosulfan sulfate	0.22	0.050	0.2000	0	111	25	141				
Endrin	0.18	0.050	0.2000	0	90.8	30	141				
Endrin aldehyde	0.21	0.050	0.2000	0	103	20	145				C
Endrin ketone	0.17	0.050	0.2000	0	82.7	25	140				C
gamma-BHC	0.21	0.050	0.2000	0	104	31	137				
Heptachlor	0.21	0.050	0.2000	0	103	20	140				
Heptachlor epoxide	0.23	0.050	0.2000	0	114	25	125				
Methoxychlor	0.24	0.050	0.2000	0	120	30	147				
Surr: DCB	0.50		0.5000		101	23	146				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: **1402006**  
**12-Feb-14**

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8081\_W

Sample ID	<b>LCS-287</b>	SampType:	<b>LCS</b>	TestCode:	<b>8081_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/11/2014</b>	RunNo:	<b>432</b>			
Client ID:	<b>LCSW</b>	Batch ID:	<b>287</b>	TestNo:	<b>SW8081B</b>		<b>SW3510C</b>	Analysis Date:	<b>2/11/2014</b>	SeqNo:	<b>7309</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr:	TCX	0.40			0.5000			80.7	22	143				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8082\_W

Sample ID <b>MB-285</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/11/2014</b>	RunNo: <b>428</b>						
Client ID: <b>PBW</b>	Batch ID: <b>285</b>	TestNo: <b>SW8082A</b>	<b>SW3510C</b>	Analysis Date: <b>2/11/2014</b>	SeqNo: <b>7266</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	0.50									
Aroclor 1221	U	0.50									
Aroclor 1232	U	0.50									
Aroclor 1242	U	0.50									
Aroclor 1248	U	0.50									
Aroclor 1254	U	0.50									
Aroclor 1260	U	0.50									
Aroclor 1262	U	0.50									
Aroclor 1268	U	0.50									
Surr: DCB	0.53		0.5000		107	15	147				
Surr: TCX	0.45		0.5000		89.6	14	144				

Sample ID <b>LCS-285</b>	SampType: <b>LCS</b>	TestCode: <b>8082_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/11/2014</b>	RunNo: <b>428</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>285</b>	TestNo: <b>SW8082A</b>	<b>SW3510C</b>	Analysis Date: <b>2/11/2014</b>	SeqNo: <b>7267</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	5.1	0.50	5.000	0	102	40	140				
Surr: DCB	0.55		0.5000		110	15	147				
Surr: TCX	0.50		0.5000		100	14	144				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006

12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8260\_W

Sample ID	LCS-257	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/6/2014	RunNo: 400					
Client ID: LCSW	Batch ID: 257a	TestNo: SW8260C	Analysis Date: 2/6/2014	SeqNo: 6895							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	39	2.0	50.00	0	77.3	35	131				
1,1,2,2-Tetrachloroethane	32	2.0	50.00	0	64.3	33	152				
1,1,2-Trichloroethane	32	2.0	50.00	0	64.4	38	121				
1,1-Dichloroethane	35	2.0	50.00	0	69.9	31	132				
1,1-Dichloroethene	40	2.0	50.00	0	79.4	22	131				
1,2-Dichlorobenzene	34	2.0	50.00	0	68.9	44	123				
1,2-Dichloroethane	31	2.0	50.00	0	62.8	43	127				
1,2-Dichloropropane	35	2.0	50.00	0	69.0	42	126				
1,3-Dichlorobenzene	36	2.0	50.00	0	72.8	45	127				
1,4-Dichlorobenzene	36	2.0	50.00	0	71.6	43	126				
2-Chloroethyl vinyl ether	U	4.0	50.00	0	0	20	133				S
Benzene	36	2.0	50.00	0	72.9	30	137				
Bromodichloromethane	32	2.0	50.00	0	63.7	38	122				
Bromoform	32	2.0	50.00	0	63.5	46	128				
Bromomethane	65	4.0	50.00	0	129	27	146				*
Carbon tetrachloride	40	2.0	50.00	0	80.4	35	134				
Chlorobenzene	38	2.0	50.00	0	75.8	47	120				
Chloroethane	52	2.0	50.00	0	104	38	130				
Chloroform	35	2.0	50.00	0	70.6	35	138				
Chloromethane	37	2.0	50.00	0	74.4	20	155				*
cis-1,3-Dichloropropene	30	2.0	50.00	0	59.1	33	120				
Dibromochloromethane	33	2.0	50.00	0	66.0	42	128				
Ethylbenzene	43	2.0	50.00	0	86.1	46	134				
Methylene chloride	14	2.0	50.00	0	28.4	27	137				B*
Tetrachloroethene	36	2.0	50.00	0	72.0	30	125				
Toluene	40	2.0	50.00	0	80.3	32	126				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8260\_W

Sample ID	<b>LCS-257</b>	SampType: <b>LCS</b>	TestCode: <b>8260_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/6/2014</b>	RunNo: <b>400</b>					
Client ID:	<b>LCSW</b>	Batch ID: <b>257a</b>	TestNo: <b>SW8260C</b>	Analysis Date: <b>2/6/2014</b>	SeqNo: <b>6895</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	37	2.0	50.00	0	74.5	24	130				
trans-1,3-Dichloropropene	30	2.0	50.00	0	59.9	30	120				
Trichloroethene	38	2.0	50.00	0	75.3	41	125				
Trichlorofluoromethane	58	2.0	50.00	0	116	38	149				
Vinyl chloride	59	2.0	50.00	0	119	24	152				
Surr: 4-Bromofluorobenzene	50		50.00		99.3	70	128				
Surr: Dibromofluoromethane	48		50.00		96.7	75	129				
Surr: Toluene-d8	49		50.00		98.3	70	124				

Sample ID	<b>MB-257</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/6/2014</b>	RunNo: <b>400</b>					
Client ID:	<b>PBW</b>	Batch ID: <b>257a</b>	TestNo: <b>SW8260C</b>	Analysis Date: <b>2/6/2014</b>	SeqNo: <b>6896</b>						
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									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8260\_W

Sample ID	MB-257	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/6/2014	RunNo:	400
Client ID:	PBW	Batch ID:	257a	TestNo:	SW8260C	Analysis Date:	2/6/2014	SeqNo:	6896		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	4.0									
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	6.0	5.0									*
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8260\_W

Sample ID	MB-257	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/6/2014	RunNo:	400
Client ID:	PBW	Batch ID:	257a	TestNo:	SW8260C	Analysis Date:	2/6/2014	SeqNo:	6896		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	2.0									
Bromomethane	U	4.0									*
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									
Cyclohexane	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									
Ethanol	U	10									*
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	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	6.9	2.0									*
Naphthalene	U	2.0									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
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 TEL: (631) 454-6100 FAX: (631) 454-8027  
 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8260\_W

Sample ID	MB-257	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	2/6/2014	RunNo	400
Client ID	PBW	Batch ID	257a	TestNo	SW8260C	Analysis Date	2/6/2014	SeqNo	6896		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	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	10									
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		98.8	70	128				
Surr: Dibromofluoromethane	49		50.00		98.2	75	129				
Surr: Toluene-d8	49		50.00		98.6	70	124				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8270\_W

Sample ID <b>MB-232</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/5/2014</b>	RunNo: <b>396</b>						
Client ID: <b>PBW</b>	Batch ID: <b>232</b>	TestNo: <b>SW8270D</b>	<b>SW3510C</b>	Analysis Date: <b>2/6/2014</b>	SeqNo: <b>6841</b>						
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	10									
2,4-Dinitrophenol	U	10									
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									
2-Nitroaniline	U	5.0									
2-Nitrophenol	U	10									
3,3'-Dichlorobenzidine	U	5.0									
3+4-Methylphenol	U	5.0									
3-Nitroaniline	U	10									
4,6-Dinitro-2-methylphenol	U	10									
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									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8270\_W

Sample ID	MB-232	SampType:	MBLK	TestCode:	8270_W	Units:	µg/L	Prep Date:	2/5/2014	RunNo:	396
Client ID:	PBW	Batch ID:	232	TestNo:	SW8270D	SW3510C		Analysis Date:	2/6/2014	SeqNo:	6841
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	U	5.0									
4-Nitrophenol	U	10									
Acenaphthene	U	5.0									
Acenaphthylene	U	5.0									
Acetophenone	U	5.0									
Aniline	U	5.0									
Anthracene	U	5.0									
Atrazine	U	5.0									
Azobenzene	U	5.0									
Benzaldehyde	U	10									
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	10									
Butyl benzyl phthalate	U	10									
Caprolactam	U	5.0									
Carbazole	U	5.0									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8270\_W

Sample ID	MB-232	SampType:	MBLK	TestCode:	8270_W	Units:	µg/L	Prep Date:	2/5/2014	RunNo:	396
Client ID:	PBW	Batch ID:	232	TestNo:	SW8270D	SW3510C		Analysis Date:	2/6/2014	SeqNo:	6841
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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									
Fluoranthene	U	5.0									
Fluorene	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorobutadiene	U	5.0									
Hexachlorocyclopentadiene	U	10									
Hexachloroethane	U	5.0									
Indeno(1,2,3-c,d)pyrene	U	5.0									
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	10									
Pentachlorophenol	U	10									
Phenanthrene	U	5.0									
Phenol	U	5.0									
Pyrene	U	5.0									
Pyridine	U	5.0									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8270\_W

Sample ID <b>MB-232</b>	SampType: <b>MBLK</b>	TestCode: <b>8270_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/5/2014</b>	RunNo: <b>396</b>						
Client ID: <b>PBW</b>	Batch ID: <b>232</b>	TestNo: <b>SW8270D</b>	<b>SW3510C</b>	Analysis Date: <b>2/6/2014</b>	SeqNo: <b>6841</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	28		40.00		70.6	18	134				
Surr: 2-Fluorobiphenyl	16		20.00		79.1	22	134				
Surr: 2-Fluorophenol	23		40.00		56.8	12	111				
Surr: 4-Terphenyl-d14	18		20.00		87.8	20	144				
Surr: Nitrobenzene-d5	13		20.00		66.5	21	146				
Surr: Phenol-d6	14		40.00		33.9	10	110				

Sample ID <b>LCS-232</b>	SampType: <b>LCS</b>	TestCode: <b>8270_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/5/2014</b>	RunNo: <b>396</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>232</b>	TestNo: <b>SW8270D</b>	<b>SW3510C</b>	Analysis Date: <b>2/6/2014</b>	SeqNo: <b>6842</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	14	5.0	20.00	0	71.6	21	125				
1,2-Dichlorobenzene	16	5.0	20.00	0	82.0	30	117				
1,3-Dichlorobenzene	16	5.0	20.00	0	81.7	31	120				
1,4-Dichlorobenzene	16	5.0	20.00	0	81.8	37	120				
2,4,6-Trichlorophenol	14	5.0	20.00	0	68.7	42	124				
2,4-Dichlorophenol	14	5.0	20.00	0	70.3	46	122				
2,4-Dimethylphenol	7.0	10	20.00	0	34.8	8	124				J
2,4-Dinitrophenol	16	10	20.00	0	82.0	10	142				
2,4-Dinitrotoluene	14	5.0	20.00	0	69.2	39	136				
2,6-Dinitrotoluene	13	5.0	20.00	0	63.3	37	130				
2-Chloronaphthalene	15	5.0	20.00	0	76.8	26	124				
2-Chlorophenol	15	5.0	20.00	0	77.3	40	115				
2-Nitrophenol	14	10	20.00	0	68.3	45	120				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8270\_W

Sample ID	LCS-232	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 2/5/2014	RunNo: 396					
Client ID: LCSW	Batch ID: 232	TestNo: SW8270D	SW3510C	Analysis Date: 2/6/2014	SeqNo: 6842						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	14	10	20.00	0	70.5	18	132				
4-Bromophenyl phenyl ether	17	5.0	20.00	0	85.8	41	130				
4-Chloro-3-methylphenol	14	5.0	20.00	0	71.0	35	120				
4-Chlorophenyl phenyl ether	17	5.0	20.00	0	84.4	33	128				
4-Nitrophenol	5.9	10	20.00	0	29.4	10	120				J
Acenaphthene	15	5.0	20.00	0	76.5	34	130				
Acenaphthylene	15	5.0	20.00	0	77.0	32	130				
Anthracene	16	5.0	20.00	0	82.4	40	133				
Benzo(a)anthracene	16	5.0	20.00	0	81.9	41	130				
Benzo(a)pyrene	16	5.0	20.00	0	78.3	39	135				
Benzo(b)fluoranthene	17	5.0	20.00	0	82.6	41	141				
Benzo(g,h,i)perylene	16	5.0	20.00	0	80.3	26	140				
Benzo(k)fluoranthene	17	5.0	20.00	0	84.6	25	143				
Bis(2-chloroethoxy)methane	14	5.0	20.00	0	71.7	35	117				
Bis(2-chloroethyl)ether	17	5.0	20.00	0	84.4	41	120				
Bis(2-chloroisopropyl)ether	16	5.0	20.00	0	82.2	26	128				
Bis(2-ethylhexyl)phthalate	16	10	20.00	0	78.0	45	135				
Butyl benzyl phthalate	16	10	20.00	0	80.7	28	140				
Chrysene	17	5.0	20.00	0	84.1	42	130				
Dibenzo(a,h)anthracene	15	5.0	20.00	0	76.7	30	138				
Diethyl phthalate	17	5.0	20.00	0	83.3	20	133				
Dimethyl phthalate	16	5.0	20.00	0	78.4	50	125				
Di-n-butyl phthalate	17	5.0	20.00	0	82.9	42	142				
Di-n-octyl phthalate	16	5.0	20.00	0	80.5	45	145				
Fluoranthene	16	5.0	20.00	0	80.5	30	143				
Fluorene	16	5.0	20.00	0	80.2	34	126				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** 8270\_W

Sample ID	LCS-232	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 2/5/2014	RunNo: 396					
Client ID: LCSW	Batch ID: 232	TestNo: SW8270D	SW3510C	Analysis Date: 2/6/2014	SeqNo: 6842						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	16	5.0	20.00	0	81.8	33	125				
Hexachlorobutadiene	15	5.0	20.00	0	74.2	20	131				
Hexachlorocyclopentadiene	8.7	10	20.00	0	43.4	2	115				J
Hexachloroethane	16	5.0	20.00	0	80.8	20	127				
Indeno(1,2,3-c,d)pyrene	15	5.0	20.00	0	74.2	30	146				m
Isophorone	15	5.0	20.00	0	73.7	40	127				
Naphthalene	15	5.0	20.00	0	74.4	22	126				
Nitrobenzene	14	5.0	20.00	0	69.5	46	118				
N-Nitrosodimethylamine	9.1	5.0	20.00	0	45.7	12	102				
N-Nitrosodi-n-propylamine	16	5.0	20.00	0	77.9	41	121				
N-Nitrosodiphenylamine	7.1	5.0	20.00	0	35.4	12	114				
Pentachlorophenol	18	10	20.00	0	88.1	20	136				
Phenanthrene	17	5.0	20.00	0	85.4	36	138				
Phenol	6.7	5.0	20.00	0	33.5	9	95				
Pyrene	17	5.0	20.00	0	84.5	33	138				
Surr: 2,4,6-Tribromophenol	32		40.00		78.8	18	134				
Surr: 2-Fluorobiphenyl	15		20.00		76.6	22	134				
Surr: 2-Fluorophenol	20		40.00		50.9	12	111				
Surr: 4-Terphenyl-d14	17		20.00		84.7	20	144				
Surr: Nitrobenzene-d5	14		20.00		69.8	21	146				
Surr: Phenol-d6	13		40.00		32.9	10	110				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** HG\_D

Sample ID	<b>MBD020614A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>HG_D</b>	Units:	<b>mg/L</b>	Prep Date:		RunNo:	<b>377</b>			
Client ID:	<b>PBW</b>	Batch ID:	<b>249</b>	TestNo:	<b>E245.1</b>		<b>SW3005A</b>	Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6533</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		U		0.000250										

Sample ID	<b>LCSD020614D</b>	SampType:	<b>LCS</b>	TestCode:	<b>HG_D</b>	Units:	<b>mg/L</b>	Prep Date:		RunNo:	<b>377</b>			
Client ID:	<b>LCSW</b>	Batch ID:	<b>249</b>	TestNo:	<b>E245.1</b>		<b>SW3005A</b>	Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6534</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00401		0.000250	0.004000	0		100	80	120				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: **1402006**  
**12-Feb-14**

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** HG\_W

Sample ID	<b>MBW020614A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>HG_W</b>	Units:	<b>mg/L</b>	Prep Date:		RunNo:	<b>377</b>	
Client ID:	<b>PBW</b>	Batch ID:	<b>R377</b>	TestNo:	<b>E245.1</b>			Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6538</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		U	0.000250									

Sample ID	<b>LCSW020614A</b>	SampType:	<b>LCS</b>	TestCode:	<b>HG_W</b>	Units:	<b>mg/L</b>	Prep Date:		RunNo:	<b>377</b>	
Client ID:	<b>LCSW</b>	Batch ID:	<b>R377</b>	TestNo:	<b>E245.1</b>			Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6539</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00405	0.000250	0.004000	0	101	80	120				

Sample ID	<b>1402002-001CMS</b>	SampType:	<b>MS</b>	TestCode:	<b>HG_W</b>	Units:	<b>mg/L</b>	Prep Date:		RunNo:	<b>377</b>	
Client ID:	<b>BatchQC</b>	Batch ID:	<b>R377</b>	TestNo:	<b>E245.1</b>			Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6546</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00379	0.000250	0.004000	0.0001700	90.5	75	125				

Sample ID	<b>1402002-001C-MSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>HG_W</b>	Units:	<b>mg/L</b>	Prep Date:		RunNo:	<b>377</b>	
Client ID:	<b>BatchQC</b>	Batch ID:	<b>R377</b>	TestNo:	<b>E245.1</b>			Analysis Date:	<b>2/6/2014</b>	SeqNo:	<b>6547</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00392	0.000250	0.004000	0.0001700	93.8	75	125	0.003790	3.37	20	

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: **1402006**  
**12-Feb-14**

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** HG\_W

Sample ID	<b>MBW021114A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>HG_W</b>	Units:	<b>mg/L</b>	Prep Date:		RunNo:	<b>417</b>	
Client ID:	<b>PBW</b>	Batch ID:	<b>R417</b>	TestNo:	<b>E245.1</b>			Analysis Date:	<b>2/11/2014</b>	SeqNo:	<b>7092</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		U	0.000250									

Sample ID	<b>LCSW021114A</b>	SampType:	<b>LCS</b>	TestCode:	<b>HG_W</b>	Units:	<b>mg/L</b>	Prep Date:		RunNo:	<b>417</b>	
Client ID:	<b>LCSW</b>	Batch ID:	<b>R417</b>	TestNo:	<b>E245.1</b>			Analysis Date:	<b>2/11/2014</b>	SeqNo:	<b>7093</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00383	0.000250	0.004000	0	95.8	80	120				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



American Analytical Laboratories, LLC.  
 56 Toledo Street  
 Farmingdale, New York 11735  
 TEL: (631) 454-6100 FAX: (631) 454-8027  
 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** ICPSCAN\_D

Sample ID	<b>MBD020514A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>ICPSCAN_D</b>	Units:	<b>mg/L</b>	Prep Date:	<b>2/5/2014</b>	RunNo:	<b>364</b>
Client ID:	<b>PBW</b>	Batch ID:	<b>249</b>	TestNo:	<b>E200.7</b>		<b>SW3005A</b>	Analysis Date:	<b>2/5/2014</b>	SeqNo:	<b>6387</b>
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									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** ICPSCAN\_D

Sample ID	LCWD020514A	SampType:	LCS	TestCode:	ICPSCAN_D	Units:	mg/L	Prep Date:	2/5/2014	RunNo:	364
Client ID:	LCSW	Batch ID:	249	TestNo:	E200.7	SW3005A		Analysis Date:	2/5/2014	SeqNo:	6388
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.95	0.0200	2.000	0	97.4	85	115				
Antimony	2.00	0.0200	2.000	0	100	85	115				
Arsenic	2.02	0.0250	2.000	0	101	85	115				
Barium	1.94	0.0200	2.000	0	96.8	85	115				
Beryllium	1.96	0.0200	2.000	0	98.1	85	115				
Cadmium	1.99	0.0100	2.000	0	99.7	85	115				
Calcium	1.94	0.0250	2.000	0	97.0	85	115				
Chromium	2.05	0.0200	2.000	0	102	85	115				
Cobalt	2.02	0.0200	2.000	0	101	85	115				
Copper	1.92	0.0200	2.000	0	96.0	85	115				
Iron	1.96	0.0200	2.000	0	97.9	85	115				
Lead	2.01	0.0150	2.000	0	100	85	115				
Magnesium	1.96	0.0200	2.000	0	98.1	85	115				
Manganese	1.94	0.0200	2.000	0	96.8	85	115				
Nickel	1.99	0.0200	2.000	0	99.4	85	115				
Potassium	19.6	0.100	20.00	0	97.9	85	115				
Selenium	1.99	0.0250	2.000	0	99.3	85	115				
Silver	1.92	0.0200	2.000	0	95.9	85	115				
Sodium	2.20	0.0300	2.000	0	110	85	115				
Thallium	1.92	0.0150	2.000	0	95.9	85	115				
Vanadium	1.95	0.0200	2.000	0	97.3	85	115				
Zinc	2.00	0.0200	2.000	0	100	85	115				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** ICPSCAN\_W

Sample ID	<b>MBW020514A</b>	SampType:	<b>MBLK</b>	TestCode:	<b>ICPSCAN_W</b>	Units:	<b>mg/L</b>	Prep Date:	<b>2/5/2014</b>	RunNo:	<b>365</b>
Client ID:	<b>PBW</b>	Batch ID:	<b>248</b>	TestNo:	<b>E200.7</b>	<b>SW3010A</b>		Analysis Date:	<b>2/5/2014</b>	SeqNo:	<b>6394</b>
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	0.200									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** ICPSCAN\_W

Sample ID	LCSW020514A	SampType: LCS	TestCode: ICPSCAN_W	Units: mg/L	Prep Date: 2/5/2014	RunNo: 365					
Client ID: LCSW	Batch ID: 248	TestNo: E200.7	SW3010A	Analysis Date: 2/5/2014	SeqNo: 6395						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.94	0.0200	2.000	0	97.2	85	115				
Antimony	1.99	0.0200	2.000	0	99.3	85	115				
Arsenic	2.01	0.0250	2.000	0	101	85	115				
Barium	1.92	0.0200	2.000	0	96.2	85	115				
Beryllium	1.97	0.0200	2.000	0	98.7	85	115				
Cadmium	2.00	0.0100	2.000	0	100	85	115				
Calcium	1.95	0.0250	2.000	0	97.6	85	115				
Chromium	2.05	0.0200	2.000	0	102	85	115				
Cobalt	2.02	0.0200	2.000	0	101	85	115				
Copper	1.92	0.0200	2.000	0	96.0	85	115				
Iron	1.96	0.0200	2.000	0	97.8	85	115				
Lead	2.01	0.0150	2.000	0	101	85	115				
Magnesium	1.97	0.0200	2.000	0	98.3	85	115				
Manganese	1.94	0.0200	2.000	0	96.9	85	115				
Nickel	1.99	0.0200	2.000	0	99.6	85	115				
Potassium	19.7	0.200	20.00	0	98.4	85	115				
Selenium	1.97	0.0250	2.000	0	98.7	85	115				
Silver	1.92	0.0200	2.000	0	96.0	85	115				
Sodium	2.18	0.0300	2.000	0	109	85	115				
Thallium	1.92	0.0150	2.000	0	95.9	85	115				
Vanadium	1.95	0.0200	2.000	0	97.7	85	115				
Zinc	2.01	0.0200	2.000	0	101	85	115				

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006  
 12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC  
**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** ICPSCAN\_W

Sample ID	1402002-001CMS	SampType:	MS	TestCode:	ICPSCAN_W	Units:	mg/L	Prep Date:	2/5/2014	RunNo:	365
Client ID:	BatchQC	Batch ID:	248	TestNo:	E200.7	SW3010A		Analysis Date:	2/5/2014	SeqNo:	6397
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13.9	0.0200	1.000	13.51	41.1	60	132				S
Antimony	0.994	0.0200	1.000	0.02141	97.2	60	133				
Arsenic	0.981	0.0250	1.000	0	98.1	70	130				
Barium	3.20	0.0200	1.000	2.399	79.9	66	135				
Beryllium	0.918	0.0200	1.000	0	91.8	70	130				
Cadmium	0.942	0.0100	1.000	0	94.2	70	130				
Calcium	88.1	0.0250	1.000	90.20	-209	70	130				S
Chromium	0.994	0.0200	1.000	0.04399	95.0	69	131				
Cobalt	0.892	0.0200	1.000	0.008178	88.3	61	125				
Copper	2.27	0.0200	1.000	1.394	88.0	70	130				
Iron	36.1	0.0200	1.000	36.78	-63.3	51	131				S
Lead	1.07	0.0150	1.000	0.1707	90.1	68	128				
Magnesium	11.8	0.0200	1.000	11.45	35.6	25	125				
Manganese	1.41	0.0200	1.000	0.5471	86.5	65	127				
Nickel	0.978	0.0200	1.000	0.06737	91.0	68	130				
Potassium	17.7	0.200	10.00	6.149	116	70	134				
Selenium	0.940	0.0250	1.000	0	94.0	70	130				
Silver	0.886	0.0200	1.000	0	88.6	60	125				
Sodium	15.1	0.0300	1.000	14.41	66.3	30	135				
Thallium	0.892	0.0150	1.000	0	89.2	65	133				
Vanadium	0.950	0.0200	1.000	0.01225	93.8	70	130				
Zinc	18.4	0.0200	1.000	18.23	16.0	68	132				S

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 1402006

12-Feb-14

**Client:** J.R. Holzmacher P.E. LLC

**Project:** 102-14 & 102-16 Liberty Ave., Queens

**TestCode:** ICPSCAN\_W

Sample ID	1402002-001CMSD	SampType: MSD	TestCode: ICPSCAN_W	Units: mg/L	Prep Date: 2/5/2014	RunNo: 365					
Client ID: BatchQC	Batch ID: 248	TestNo: E200.7	SW3010A	Analysis Date: 2/5/2014	SeqNo: 6398						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	14.0	0.0200	1.000	13.51	44.9	60	132	13.93	0.275	20	S
Antimony	1.02	0.0200	1.000	0.02141	100	60	133	0.9937	3.02	20	
Arsenic	0.988	0.0250	1.000	0	98.8	70	130	0.9809	0.679	20	
Barium	3.21	0.0200	1.000	2.399	81.0	66	135	3.199	0.352	20	
Beryllium	0.919	0.0200	1.000	0	91.9	70	130	0.9182	0.111	20	
Cadmium	0.945	0.0100	1.000	0	94.5	70	130	0.9425	0.217	20	
Calcium	88.2	0.0250	1.000	90.20	-202	70	130	88.11	0.0835	20	S
Chromium	0.996	0.0200	1.000	0.04399	95.2	69	131	0.9937	0.266	20	
Cobalt	0.899	0.0200	1.000	0.008178	89.1	61	125	0.8915	0.818	20	
Copper	2.28	0.0200	1.000	1.394	88.8	70	130	2.274	0.342	20	
Iron	36.3	0.0200	1.000	36.78	-47.8	51	131	36.14	0.429	20	S
Lead	1.07	0.0150	1.000	0.1707	90.4	68	128	1.072	0.307	20	
Magnesium	11.9	0.0200	1.000	11.45	49.1	25	125	11.81	1.14	20	
Manganese	1.42	0.0200	1.000	0.5471	87.3	65	127	1.412	0.606	20	
Nickel	0.979	0.0200	1.000	0.06737	91.2	68	130	0.9775	0.139	20	
Potassium	17.8	0.200	10.00	6.149	116	70	134	17.74	0.185	20	
Selenium	0.940	0.0250	1.000	0	94.0	70	130	0.9396	0.0613	20	
Silver	0.891	0.0200	1.000	0	89.1	60	125	0.8860	0.561	20	
Sodium	15.0	0.0300	1.000	14.41	62.9	30	135	15.08	0.225	20	
Thallium	0.889	0.0150	1.000	0	88.9	65	133	0.8919	0.270	20	
Vanadium	0.954	0.0200	1.000	0.01225	94.2	70	130	0.9498	0.419	20	
Zinc	18.4	0.0200	1.000	18.23	17.9	68	132	18.39	0.107	20	S

**Qualifiers:** R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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# Sample Log-In Check List

Client Name: **HOLZMACHER** Work Order Number: **1402006** RcptNo: **1**

Logged by: <b>Cate Ferrara</b>	<b>2/4/2014 1:00:00 PM</b>	<i>C Ferrara</i>
Completed By: <b>Cate Ferrara</b>	<b>2/4/2014</b>	<i>C Ferrara</i>
Reviewed By: <b>Lori Beyer</b>	<b>2/4/2014</b>	<i>Lori Beyer</i>

**Chain of Custody**

1. Is Chain of Custody complete? Yes  No  Not Present   
 2. How was the sample delivered? Client

**Log In**

3. Coolers are present? Yes  No  NA   
 4. Shipping container/cooler in good condition? Yes  No   
 Custody seals intact on shipping container/cooler? Yes  No  Not Present   
 No. Seal Date: Signed By:  
 5. Was an attempt made to cool the samples? Yes  No  NA   
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA   
 7. Sample(s) in proper container(s)? Yes  No   
 8. Sufficient sample volume for indicated test(s)? Yes  No   
 9. Are samples (except VOA and ONG) properly preserved? Yes  No   
 10. Was preservative added to bottles? Yes  No  NA   
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes  No  No VOA Vials   
 12. Were any sample containers received broken? Yes  No   
 13. Does paperwork match bottle labels? Yes  No   
 (Note discrepancies on chain of custody)  
 14. Are matrices correctly identified on Chain of Custody? Yes  No   
 15. Is it clear what analyses were requested? Yes  No   
 16. Were all holding times able to be met? Yes  No   
 (If no, notify customer for authorization.)

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

**Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
-----------	---------	-----------	-------------	---------	-----------	-----------



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Website: [www.American-Analytical.com](http://www.American-Analytical.com)

## Definition Only

WO#: 1402006  
Date: 2/12/2014

---

### Definitions:

#### Sample Result and QC Summary Qualifiers - Level I and Level II Reports

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

E - The value is above the quantitation range

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

\* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP



**DATA PACKAGE**

VOLATILE ORGANICS

**PROJECT NAME : YUNAJ 14-01**

**J.R.HOLZMACHER P.E., LLC**  
**3555 Veterans Memorial Highway**  
**Suite A**  
**Ronkonkoma, NY - 11779**  
**Phone No: 631-234-2220**

**ORDER ID : F1310**  
**ATTENTION : Jim DeMartinis**

**DoD ELAP**

## Table Of Contents for F1310

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## Cover Page

**Order ID :** F1310

**Project ID :** YUNAJ 14-01

**Client :** J.R.Holzmacher P.E., LLC

**Lab Sample Number**

F1310-01  
F1310-02  
F1310-03  
F1310-04

**Client Sample Number**

VP-1  
VP-2  
VP-3  
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: 2/18/2014

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## CASE NARRATIVE

**J.R.Holzmacher P.E., LLC**  
**Project Name: YUNAJ 14-01**  
**Project # N/A**  
**Chemtech Project # F1310**  
**Test Name: TO-15**

### **A. Number of Samples and Date of Receipt:**

4 Air samples were received on 01/31/2014.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: 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 for { VL0206ABS } with File ID: VL021992.D met requirements for all samples except for 1,2,4-Trichlorobenzene[134%], Naphthalene[135%] .

The RPD for F1310-04DUP with File ID: VL022016.D criteria. except for 1,3,5-

Trimethylbenzene(20.7%), 1,4-Dichlorobenzene(200%), 2,2,4-

Trimethylpentane(32.3%), 4-Ethyltoluene(21.6%), 4-Methyl-2-Pentanone(200%), Carbon

Tetrachloride(22.2%), Cyclohexane(21.3%), Heptane(22.2%), tert-Butyl

alcohol(27.6%), Tetrachloroethene(24.6%), Tetrahydrofuran(32.3%),

The Blank analysis indicated presence of Methylene Chloride[0.36 ppbv]

FileID: VL021991.D{ VL0206ABL } due to possible lab contamination.

The Initial Calibration met the requirements except for Methylene Chloride have more than 30 % RSD in the Initial Calibration with dated 02/04/2014 with L instrument but as per method two compounds are allowed to be failed.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples VP-1, VP-3 and VP-4 were diluted due to high concentrations.

---

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\_\_\_\_\_

**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

**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

Project #: F1310

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 Custody

✓

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: JAYESH RAMANI

Date: 02/18/2014

2nd Level QA Review Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**LAB CHRONICLE**

<b>OrderID:</b> F1310	<b>OrderDate:</b> 1/31/2014 12:47:48 PM
<b>Client:</b> J.R.Holzmacher P.E., LLC	<b>Project:</b> YUNAJ 14-01
<b>Contact:</b> Jim DeMartinis	<b>Location:</b> Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>F1310-01</b>	<b>VP-1</b>	<b>Air</b>			<b>01/30/14</b>			<b>01/31/14</b>
			TO-15	TO-15			02/06/14	
<b>F1310-01DL</b>	<b>VP-1DL</b>	<b>Air</b>			<b>01/30/14</b>			<b>01/31/14</b>
			TO-15	TO-15			02/06/14	
<b>F1310-02</b>	<b>VP-2</b>	<b>Air</b>			<b>01/30/14</b>			<b>01/31/14</b>
			TO-15	TO-15			02/06/14	
<b>F1310-03</b>	<b>VP-3</b>	<b>Air</b>			<b>01/30/14</b>			<b>01/31/14</b>
			TO-15	TO-15			02/06/14	
<b>F1310-03DL</b>	<b>VP-3DL</b>	<b>Air</b>			<b>01/30/14</b>			<b>01/31/14</b>
			TO-15	TO-15			02/06/14	
<b>F1310-04</b>	<b>VP-4</b>	<b>Air</b>			<b>01/30/14</b>			<b>01/31/14</b>
			TO-15	TO-15			02/06/14	
<b>F1310-04DL</b>	<b>VP-4DL</b>	<b>Air</b>			<b>01/30/14</b>			<b>01/31/14</b>
			TO-15	TO-15			02/07/14	

**Hit Summary Sheet**  
**SW-846**

SDG No.: F1310

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
<b>Client ID:</b>	<b>VP-1</b>								
F1310-01	VP-1	Air	Dichlorodifluoromethane	2.77		0.2	0.49	2.47	ug/m3
F1310-01	VP-1	Air	Tetrahydrofuran	0.59	J	0.29	0.29	1.47	ug/m3
F1310-01	VP-1	Air	Trichlorofluoromethane	1.80	J	0.22	0.56	2.81	ug/m3
F1310-01	VP-1	Air	1,1,2-Trichlorotrifluoroethane	0.77	J	0.31	0.77	3.83	ug/m3
F1310-01	VP-1	Air	tert-Butyl alcohol	1.70		0.3	0.3	1.52	ug/m3
F1310-01	VP-1	Air	Heptane	18.00		0.41	0.41	2.05	ug/m3
F1310-01	VP-1	Air	Acetone	177.00	E	0.24	0.24	1.19	ug/m3
F1310-01	VP-1	Air	Carbon Disulfide	1.62		0.16	0.31	1.56	ug/m3
F1310-01	VP-1	Air	Methylene Chloride	2.71	B	0.17	0.35	1.74	ug/m3
F1310-01	VP-1	Air	Cyclohexane	1.00	J	0.34	0.34	1.72	ug/m3
F1310-01	VP-1	Air	2-Butanone	6.19		0.29	0.29	1.47	ug/m3
F1310-01	VP-1	Air	Carbon Tetrachloride	0.25	J	0.19	0.19	3.15	ug/m3
F1310-01	VP-1	Air	Chloroform	1.66	J	0.1	0.49	2.44	ug/m3
F1310-01	VP-1	Air	1,1,1-Trichloroethane	0.60	J	0.16	0.16	2.73	ug/m3
F1310-01	VP-1	Air	2,2,4-Trimethylpentane	1.17	J	0.19	0.47	2.34	ug/m3
F1310-01	VP-1	Air	Benzene	6.07		0.13	0.32	1.6	ug/m3
F1310-01	VP-1	Air	Trichloroethene	0.48	J	0.11	0.16	2.69	ug/m3
F1310-01	VP-1	Air	4-Methyl-2-Pentanone	1.15	J	0.2	0.41	2.05	ug/m3
F1310-01	VP-1	Air	Toluene	125.00	E	0.19	0.38	1.88	ug/m3
F1310-01	VP-1	Air	Tetrachloroethene	34.60		0.2	0.2	3.39	ug/m3
F1310-01	VP-1	Air	Ethyl Benzene	24.30		0.43	0.43	2.17	ug/m3
F1310-01	VP-1	Air	m/p-Xylene	87.70		0.43	0.87	4.34	ug/m3
F1310-01	VP-1	Air	o-Xylene	23.90		0.43	0.43	2.17	ug/m3
F1310-01	VP-1	Air	Styrene	0.43	J	0.43	0.43	2.13	ug/m3
F1310-01	VP-1	Air	1,3,5-Trimethylbenzene	2.51		0.49	0.49	2.46	ug/m3
F1310-01	VP-1	Air	1,2,4-Trimethylbenzene	8.36		0.49	0.49	2.46	ug/m3
F1310-01	VP-1	Air	4-Ethyltoluene	7.87		0.49	0.49	2.46	ug/m3
F1310-01	VP-1	Air	Hexane	7.05		0.14	0.35	1.76	ug/m3
			<b>Total Voc :</b>	<b>547.25</b>					
			<b>Total Concentration:</b>	<b>547.25</b>					
<b>Client ID:</b>	<b>VP-1DL</b>								
F1310-01DL	VP-1DL	Air	Heptane	9.43	JD	4.1	4.1	20.5	ug/m3
F1310-01DL	VP-1DL	Air	Acetone	205.00	D	2.38	2.38	11.9	ug/m3
F1310-01DL	VP-1DL	Air	2-Butanone	4.42	JD	2.95	2.95	14.8	ug/m3
F1310-01DL	VP-1DL	Air	Benzene	4.15	JD	1.28	3.19	16.0	ug/m3
F1310-01DL	VP-1DL	Air	Toluene	99.10	D	1.88	3.77	18.8	ug/m3
F1310-01DL	VP-1DL	Air	Tetrachloroethene	28.50	JD	2.03	2.03	33.9	ug/m3

### Hit Summary Sheet

SW-846

SDG No.: F1310  
 Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F1310-01DL	VP-1DL	Air	Ethyl Benzene	14.30	JD	4.34	4.34	21.7	ug/m3
F1310-01DL	VP-1DL	Air	m/p-Xylene	63.00	D	4.34	8.69	43.4	ug/m3
F1310-01DL	VP-1DL	Air	o-Xylene	17.40	JD	4.34	4.34	21.7	ug/m3
F1310-01DL	VP-1DL	Air	4-Ethyltoluene	5.41	JD	4.92	4.92	24.6	ug/m3
F1310-01DL	VP-1DL	Air	Hexane	6.70	JD	1.41	3.52	17.6	ug/m3
<b>Total Voc :</b>				<b>457.41</b>					
<b>Total Concentration:</b>				<b>457.41</b>					
<b>Client ID:</b>	<b>VP-2</b>								
F1310-02	VP-2	Air	Dichlorodifluoromethane	2.92		0.2	0.49	2.47	ug/m3
F1310-02	VP-2	Air	Chloromethane	0.64	J	0.21	0.21	1.03	ug/m3
F1310-02	VP-2	Air	Chloroethane	0.29	J	0.26	0.26	1.32	ug/m3
F1310-02	VP-2	Air	Trichlorofluoromethane	1.57	J	0.22	0.56	2.81	ug/m3
F1310-02	VP-2	Air	1,1,2-Trichlorotrifluoroethane	0.69	J	0.31	0.77	3.83	ug/m3
F1310-02	VP-2	Air	Heptane	5.74		0.41	0.41	2.05	ug/m3
F1310-02	VP-2	Air	Acetone	18.50		0.24	0.24	1.19	ug/m3
F1310-02	VP-2	Air	Carbon Disulfide	4.98		0.16	0.31	1.56	ug/m3
F1310-02	VP-2	Air	Methylene Chloride	3.82	B	0.17	0.35	1.74	ug/m3
F1310-02	VP-2	Air	Cyclohexane	0.76	J	0.34	0.34	1.72	ug/m3
F1310-02	VP-2	Air	Carbon Tetrachloride	0.25	J	0.19	0.19	3.15	ug/m3
F1310-02	VP-2	Air	Chloroform	0.49	J	0.1	0.49	2.44	ug/m3
F1310-02	VP-2	Air	1,1,1-Trichloroethane	0.22	J	0.16	0.16	2.73	ug/m3
F1310-02	VP-2	Air	2,2,4-Trimethylpentane	0.93	J	0.19	0.47	2.34	ug/m3
F1310-02	VP-2	Air	Benzene	2.84		0.13	0.32	1.6	ug/m3
F1310-02	VP-2	Air	Toluene	28.30		0.19	0.38	1.88	ug/m3
F1310-02	VP-2	Air	Tetrachloroethene	5.90		0.2	0.2	3.39	ug/m3
F1310-02	VP-2	Air	Ethyl Benzene	2.22		0.43	0.43	2.17	ug/m3
F1310-02	VP-2	Air	m/p-Xylene	7.38		0.43	0.87	4.34	ug/m3
F1310-02	VP-2	Air	o-Xylene	2.00	J	0.43	0.43	2.17	ug/m3
F1310-02	VP-2	Air	Hexane	4.23		0.14	0.35	1.76	ug/m3
<b>Total Voc :</b>				<b>94.67</b>					
<b>Total Concentration:</b>				<b>94.67</b>					
<b>Client ID:</b>	<b>VP-3</b>								
F1310-03	VP-3	Air	Dichlorodifluoromethane	2.77		0.2	0.49	2.47	ug/m3
F1310-03	VP-3	Air	Chloromethane	0.21	J	0.21	0.21	1.03	ug/m3
F1310-03	VP-3	Air	Tetrahydrofuran	0.56	J	0.29	0.29	1.47	ug/m3
F1310-03	VP-3	Air	Trichlorofluoromethane	1.80	J	0.22	0.56	2.81	ug/m3
F1310-03	VP-3	Air	1,1,2-Trichlorotrifluoroethane	0.77	J	0.31	0.77	3.83	ug/m3
F1310-03	VP-3	Air	tert-Butyl alcohol	1.09	J	0.3	0.3	1.52	ug/m3

### Hit Summary Sheet

SW-846

SDG No.: F1310

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F1310-03	VP-3	Air	Heptane	11.50		0.41	0.41	2.05	ug/m3
F1310-03	VP-3	Air	Acetone	155.00	E	0.24	0.24	1.19	ug/m3
F1310-03	VP-3	Air	Carbon Disulfide	2.90		0.16	0.31	1.56	ug/m3
F1310-03	VP-3	Air	Methylene Chloride	4.86	B	0.17	0.35	1.74	ug/m3
F1310-03	VP-3	Air	Cyclohexane	0.72	J	0.34	0.34	1.72	ug/m3
F1310-03	VP-3	Air	2-Butanone	5.60		0.29	0.29	1.47	ug/m3
F1310-03	VP-3	Air	Carbon Tetrachloride	0.19	J	0.19	0.19	3.15	ug/m3
F1310-03	VP-3	Air	Chloroform	0.54	J	0.1	0.49	2.44	ug/m3
F1310-03	VP-3	Air	1,1,1-Trichloroethane	0.49	J	0.16	0.16	2.73	ug/m3
F1310-03	VP-3	Air	2,2,4-Trimethylpentane	0.75	J	0.19	0.47	2.34	ug/m3
F1310-03	VP-3	Air	Benzene	3.83		0.13	0.32	1.6	ug/m3
F1310-03	VP-3	Air	Trichloroethene	0.11	J	0.11	0.16	2.69	ug/m3
F1310-03	VP-3	Air	4-Methyl-2-Pentanone	1.52	J	0.2	0.41	2.05	ug/m3
F1310-03	VP-3	Air	Toluene	95.00	E	0.19	0.38	1.88	ug/m3
F1310-03	VP-3	Air	Tetrachloroethene	21.70		0.2	0.2	3.39	ug/m3
F1310-03	VP-3	Air	Ethyl Benzene	20.00		0.43	0.43	2.17	ug/m3
F1310-03	VP-3	Air	m/p-Xylene	76.00		0.43	0.87	4.34	ug/m3
F1310-03	VP-3	Air	o-Xylene	21.70		0.43	0.43	2.17	ug/m3
F1310-03	VP-3	Air	1,3,5-Trimethylbenzene	3.24		0.49	0.49	2.46	ug/m3
F1310-03	VP-3	Air	1,2,4-Trimethylbenzene	12.80		0.49	0.49	2.46	ug/m3
F1310-03	VP-3	Air	Naphthalene	0.68	JQ	0.21	0.52	2.62	ug/m3
F1310-03	VP-3	Air	4-Ethyltoluene	8.85		0.49	0.49	2.46	ug/m3
F1310-03	VP-3	Air	Hexane	4.58		0.14	0.35	1.76	ug/m3
<b>Total Voc :</b>				<b>459.76</b>					
<b>Total Concentration:</b>				<b>459.76</b>					
<b>Client ID:</b>	<b>VP-3DL</b>								
F1310-03DL	VP-3DL	Air	Heptane	5.74	JD	4.1	4.1	20.5	ug/m3
F1310-03DL	VP-3DL	Air	Acetone	181.00	D	2.38	2.38	11.9	ug/m3
F1310-03DL	VP-3DL	Air	Carbon Disulfide	2.80	JD	1.56	3.11	15.6	ug/m3
F1310-03DL	VP-3DL	Air	2-Butanone	4.13	JD	2.95	2.95	14.8	ug/m3
F1310-03DL	VP-3DL	Air	Benzene	2.88	JD	1.28	3.19	16.0	ug/m3
F1310-03DL	VP-3DL	Air	Toluene	73.10	D	1.88	3.77	18.8	ug/m3
F1310-03DL	VP-3DL	Air	Tetrachloroethene	19.00	JD	2.03	2.03	33.9	ug/m3
F1310-03DL	VP-3DL	Air	Ethyl Benzene	11.30	JD	4.34	4.34	21.7	ug/m3
F1310-03DL	VP-3DL	Air	m/p-Xylene	55.20	D	4.34	8.69	43.4	ug/m3
F1310-03DL	VP-3DL	Air	o-Xylene	14.30	JD	4.34	4.34	21.7	ug/m3
F1310-03DL	VP-3DL	Air	1,2,4-Trimethylbenzene	6.88	JD	4.92	4.92	24.6	ug/m3
F1310-03DL	VP-3DL	Air	4-Ethyltoluene	5.90	JD	4.92	4.92	24.6	ug/m3

### Hit Summary Sheet

SW-846

SDG No.: F1310  
 Client: J.R.Holzmacher P.E., LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
<b>Total Voc :</b>				382.23					
<b>Total Concentration:</b>				382.23					
<b>Client ID:</b>	<b>VP-4</b>								
F1310-04	VP-4	Air	Dichlorodifluoromethane	2.77		0.2	0.49	2.47	ug/m3
F1310-04	VP-4	Air	Chloromethane	0.78	J	0.21	0.21	1.03	ug/m3
F1310-04	VP-4	Air	Tetrahydrofuran	0.38	J	0.29	0.29	1.47	ug/m3
F1310-04	VP-4	Air	Trichlorofluoromethane	2.70	J	0.22	0.56	2.81	ug/m3
F1310-04	VP-4	Air	1,1,2-Trichlorotrifluoroethane	0.69	J	0.31	0.77	3.83	ug/m3
F1310-04	VP-4	Air	tert-Butyl alcohol	0.76	J	0.3	0.3	1.52	ug/m3
F1310-04	VP-4	Air	Heptane	3.61		0.41	0.41	2.05	ug/m3
F1310-04	VP-4	Air	Acetone	90.00	E	0.24	0.24	1.19	ug/m3
F1310-04	VP-4	Air	Carbon Disulfide	1.03	J	0.16	0.31	1.56	ug/m3
F1310-04	VP-4	Air	Methylene Chloride	4.52	B	0.17	0.35	1.74	ug/m3
F1310-04	VP-4	Air	Cyclohexane	0.72	J	0.34	0.34	1.72	ug/m3
F1310-04	VP-4	Air	2-Butanone	4.13		0.29	0.29	1.47	ug/m3
F1310-04	VP-4	Air	Carbon Tetrachloride	0.25	J	0.19	0.19	3.15	ug/m3
F1310-04	VP-4	Air	2,2,4-Trimethylpentane	0.61	J	0.19	0.47	2.34	ug/m3
F1310-04	VP-4	Air	Benzene	2.30		0.13	0.32	1.6	ug/m3
F1310-04	VP-4	Air	Toluene	27.10		0.19	0.38	1.88	ug/m3
F1310-04	VP-4	Air	Tetrachloroethene	1.70	J	0.2	0.2	3.39	ug/m3
F1310-04	VP-4	Air	Ethyl Benzene	4.78		0.43	0.43	2.17	ug/m3
F1310-04	VP-4	Air	m/p-Xylene	18.20		0.43	0.87	4.34	ug/m3
F1310-04	VP-4	Air	o-Xylene	5.21		0.43	0.43	2.17	ug/m3
F1310-04	VP-4	Air	1,3,5-Trimethylbenzene	0.64	J	0.49	0.49	2.46	ug/m3
F1310-04	VP-4	Air	1,2,4-Trimethylbenzene	2.41	J	0.49	0.49	2.46	ug/m3
F1310-04	VP-4	Air	4-Ethyltoluene	1.62	J	0.49	0.49	2.46	ug/m3
F1310-04	VP-4	Air	Hexane	2.78		0.14	0.35	1.76	ug/m3
<b>Total Voc :</b>				179.69					
<b>Total Concentration:</b>				179.69					
<b>Client ID:</b>	<b>VP-4DL</b>								
F1310-04DL	VP-4DL	Air	Acetone	101.00	D	2.38	2.38	11.9	ug/m3
F1310-04DL	VP-4DL	Air	2-Butanone	3.24	JD	2.95	2.95	14.8	ug/m3
F1310-04DL	VP-4DL	Air	Toluene	13.20	JD	1.88	3.77	18.8	ug/m3
F1310-04DL	VP-4DL	Air	m/p-Xylene	7.38	JD	4.34	8.69	43.4	ug/m3
<b>Total Voc :</b>				124.82					
<b>Total Concentration:</b>				124.82					

Project : YUNAJ 14-01

Sampling Date : 01/30/14

Field Id Number : VP-1

Analysis Date : 02/06/14

Laboratory Id Number : F1310-01

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.56		2.77		
Chloromethane	74-87-3	50.49	0.1	U	0.21		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.2	J	0.59		
Trichlorofluoromethane	75-69-4	137.4	0.32	J	1.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	J	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.56		1.7		
Heptane	142-82-5	100.2	4.4		18		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	74.6	E	177		
Carbon Disulfide	75-15-0	76.14	0.52		1.62		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	0.78		2.71		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.29	J	1		
2-Butanone	78-93-3	72.11	2.1		6.19		
Carbon Tetrachloride	56-23-5	153.8	0.04	J	0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.34	J	1.66		
1,1,1-Trichloroethane	71-55-6	133.4	0.11	J	0.6		
2,2,4-Trimethylpentane	540-84-1	114.2	0.25	J	1.17		
Benzene	71-43-2	78.11	1.9		6.07		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.09	J	0.48		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanone	108-10-1	100.2	0.28	J	1.15		
Toluene	108-88-3	92.14	33.2	E	125		
t-1,3-Dichloropropene	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		

**Project :** YUNAJ 14-01

**Sampling Date :** 01/30/14

**Field Id Number :** VP-1

**Analysis Date :** 02/06/14

**Laboratory Id Number :** F1310-01

**Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	5.1		34.6		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	5.6		24.3		
m/p-Xylene	179601-23-1	106.2	20.2		87.7		
o-Xylene	95-47-6	106.2	5.5		23.9		
Styrene	100-42-5	104.1	0.1	J	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.1	U	0.69		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.51		2.51		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.7		8.36		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	1.6		7.87		
Hexane	110-54-3	86.17	2		7.05		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.117	0.1	U	0.41		

Project : YUNAJ 14-01

Sampling Date : 01/30/14

Field Id Number : VP-1DL

Analysis Date : 02/06/14

Laboratory Id Number : F1310-01DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	2.3	JD	9.43		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	86.3	D	205		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-4	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	1.5	JD	4.42		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	1.3	JD	4.15		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanone	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	26.3	D	99.1		
t-1,3-Dichloropropene	10061-02-6	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-5	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		

**Project :** YUNAJ 14-01

**Sampling Date :** 01/30/14

**Field Id Number :** VP-1DL

**Analysis Date :** 02/06/14

**Laboratory Id Number :** F1310-01DL

**Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	4.2	JD	28.5		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	3.3	JD	14.3		
m/p-Xylene	179601-23-1	106.2	14.5	D	63		
o-Xylene	95-47-6	106.2	4	JD	17.4		
Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1	UD	6.87		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	UD	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	1	UD	4.92		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Naphthalene	91-20-3	128.17	1	UD	5.24		
4-Ethyltoluene	622-96-8	120.2	1.1	JD	5.41		
Hexane	110-54-3	86.17	1.9	JD	6.7		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.117	1	UD	4.09		

Project : YUNAJ 14-01

Sampling Date : 01/30/14

Field Id Number : VP-2

Analysis Date : 02/06/14

Laboratory Id Number : F1310-02

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.59		2.92		
Chloromethane	74-87-3	50.49	0.31	J	0.64		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.11	J	0.29		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.3		
Trichlorofluoromethane	75-69-4	137.4	0.28	J	1.57		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.09	J	0.69		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	1.4		5.74		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	7.8		18.5		
Carbon Disulfide	75-15-0	76.14	1.6		4.98		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	1.1		3.82		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.22	J	0.76		
2-Butanone	78-93-3	72.11	0.1	U	0.3		
Carbon Tetrachloride	56-23-5	153.8	0.04	J	0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	J	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.04	J	0.22		
2,2,4-Trimethylpentane	540-84-1	114.2	0.2	J	0.93		
Benzene	71-43-2	78.11	0.89		2.84		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanone	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	7.5		28.3		
t-1,3-Dichloropropene	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		

**Project :** YUNAJ 14-01

**Sampling Date :** 01/30/14

**Field Id Number :** VP-2

**Analysis Date :** 02/06/14

**Laboratory Id Number :** F1310-02

**Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.87		5.9		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	0.51		2.22		
m/p-Xylene	179601-23-1	106.2	1.7		7.38		
o-Xylene	95-47-6	106.2	0.46	J	2		
Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.1	U	0.69		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.1	U	0.49		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.1	U	0.49		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.1	U	0.49		
Hexane	110-54-3	86.17	1.2		4.23		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.117	0.1	U	0.41		

Project : YUNAJ 14-01

Sampling Date : 01/30/14

Field Id Number : VP-3

Analysis Date : 02/06/14

Laboratory Id Number : F1310-03

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.56		2.77		
Chloromethane	74-87-3	50.49	0.1	J	0.21		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.19	J	0.56		
Trichlorofluoromethane	75-69-4	137.4	0.32	J	1.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	J	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.36	J	1.09		
Heptane	142-82-5	100.2	2.8		11.5		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	65.5	E	155		
Carbon Disulfide	75-15-0	76.14	0.93		2.9		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	1.4		4.86		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.21	J	0.72		
2-Butanone	78-93-3	72.11	1.9		5.6		
Carbon Tetrachloride	56-23-5	153.8	0.03	J	0.19		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.11	J	0.54		
1,1,1-Trichloroethane	71-55-6	133.4	0.09	J	0.49		
2,2,4-Trimethylpentane	540-84-1	114.2	0.16	J	0.75		
Benzene	71-43-2	78.11	1.2		3.83		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.02	J	0.11		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanone	108-10-1	100.2	0.37	J	1.52		
Toluene	108-88-3	92.14	25.2	E	95		
t-1,3-Dichloropropene	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		

**Project :** YUNAJ 14-01

**Sampling Date :** 01/30/14

**Field Id Number :** VP-3

**Analysis Date :** 02/06/14

**Laboratory Id Number :** F1310-03

**Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	3.2		21.7		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	4.6		20		
m/p-Xylene	179601-23-1	106.2	17.5		76		
o-Xylene	95-47-6	106.2	5		21.7		
Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.1	U	0.69		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.66		3.24		
1,2,4-Trimethylbenzene	95-63-6	120.2	2.6		12.8		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.13	J	0.68		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	1.8		8.85		
Hexane	110-54-3	86.17	1.3		4.58		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.117	0.1	U	0.41		

**Project :** YUNAJ 14-01

**Sampling Date :** 01/30/14

**Field Id Number :** VP-3DL

**Analysis Date :** 02/06/14

**Laboratory Id Number :** F1310-03DL

**Target Analyts :** Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	1.4	JD	5.74		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	76.6	D	181		
Carbon Disulfide	75-15-0	76.14	0.9	JD	2.8		
Methyl tert-Butyl Ether	1634-04-4	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	1.4	JD	4.13		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	0.9	JD	2.88		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanone	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	19.4	D	73.1		
t-1,3-Dichloropropene	10061-02-6	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-5	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		

**Project :** YUNAJ 14-01

**Sampling Date :** 01/30/14

**Field Id Number :** VP-3DL

**Analysis Date :** 02/06/14

**Laboratory Id Number :** F1310-03DL

**Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	2.8	JD	19		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	2.6	JD	11.3		
m/p-Xylene	179601-23-1	106.2	12.7	D	55.2		
o-Xylene	95-47-6	106.2	3.3	JD	14.3		
Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1	UD	6.87		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	UD	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.4	JD	6.88		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Naphthalene	91-20-3	128.17	1	UD	5.24		
4-Ethyltoluene	622-96-8	120.2	1.2	JD	5.9		
Hexane	110-54-3	86.17	1	UD	3.52		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.117	1	UD	4.09		

Project : YUNAJ 14-01

Sampling Date : 01/30/14

Field Id Number : VP-4

Analysis Date : 02/06/14

Laboratory Id Number : F1310-04

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.56		2.77		
Chloromethane	74-87-3	50.49	0.38	J	0.78		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	0.13	J	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.48	J	2.7		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.09	J	0.69		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.25	J	0.76		
Heptane	142-82-5	100.2	0.88		3.61		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	37.9	E	90		
Carbon Disulfide	75-15-0	76.14	0.33	J	1.03		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	1.3		4.52		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	0.21	J	0.72		
2-Butanone	78-93-3	72.11	1.4		4.13		
Carbon Tetrachloride	56-23-5	153.8	0.04	J	0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.13	J	0.61		
Benzene	71-43-2	78.11	0.72		2.3		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanone	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	7.2		27.1		
t-1,3-Dichloropropene	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		

**Project :** YUNAJ 14-01

**Sampling Date :** 01/30/14

**Field Id Number :** VP-4

**Analysis Date :** 02/06/14

**Laboratory Id Number :** F1310-04

**Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.25	J	1.7		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	1.1		4.78		
m/p-Xylene	179601-23-1	106.2	4.2		18.2		
o-Xylene	95-47-6	106.2	1.2		5.21		
Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.1	U	0.69		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.13	J	0.64		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.49	J	2.41		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.33	J	1.62		
Hexane	110-54-3	86.17	0.79		2.78		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.117	0.1	U	0.41		

Project : YUNAJ 14-01

Sampling Date : 01/30/14

Field Id Number : VP-4DL

Analysis Date : 02/07/14

Laboratory Id Number : F1310-04DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1	UD	4.94		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	1	UD	3.88		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	UD	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	UD	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	UD	7.66		
Bromoethene	593-60-2	106.9	1	UD	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Heptane	142-82-5	100.2	1	UD	4.1		
1,1-Dichloroethene	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	42.6	D	101		
Carbon Disulfide	75-15-0	76.14	1	UD	3.11		
Methyl tert-Butyl Ether	1634-04-4	88.15	1	UD	3.61		
Methylene Chloride	75-09-2	84.94	1	UD	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	UD	4.05		
Cyclohexane	110-82-7	84.16	1	UD	3.44		
2-Butanone	78-93-3	72.11	1.1	JD	3.24		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	1	UD	3.19		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	1	UD	6.7		
4-Methyl-2-Pentanone	108-10-1	100.2	1	UD	4.1		
Toluene	108-88-3	92.14	3.5	JD	13.2		
t-1,3-Dichloropropene	10061-02-6	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-5	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		

**Project :** YUNAJ 14-01

**Sampling Date :** 01/30/14

**Field Id Number :** VP-4DL

**Analysis Date :** 02/07/14

**Laboratory Id Number :** F1310-04DL

**Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	1	UD	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	1	UD	4.34		
m/p-Xylene	179601-23-1	106.2	1.7	JD	7.38		
o-Xylene	95-47-6	106.2	1	UD	4.34		
Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1	UD	6.87		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	UD	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	1	UD	4.92		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	UD	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
Naphthalene	91-20-3	128.17	1	UD	5.24		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
4-Ethyltoluene	622-96-8	120.2	1	UD	4.92		
Hexane	110-54-3	86.17	1	UD	3.52		
Allyl Chloride	107-05-1	76.53	1	UD	3.13		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
Methyl Methacrylate	80-62-6	100.117	1	UD	4.09		

# SAMPLE DATA

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-1	SDG No.:	F1310
Lab Sample ID:	F1310-01	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
VL021996.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	0.56	2.77		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.1	0.21	U	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.2	0.59	J	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.32	1.8	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	J	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.56	1.7		0.3	0.3	1.52	ug/m3
142-82-5	Heptane	4.4	18.0		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	74.6	177	E	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.52	1.62		0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	0.78	2.71	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.29	1	J	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	2.1	6.19		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.04	0.25	J	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.34	1.66	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.11	0.6	J	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.25	1.17	J	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	1.9	6.07		0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.09	0.48	J	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.28	1.15	J	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	33.2	125	E	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.77	0.77	3.84	ug/m3

**Report of Analysis**

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-1	SDG No.:	F1310
Lab Sample ID:	F1310-01	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
VL021996.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	5.1	34.6		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	5.6	24.3		0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	20.2	87.7		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	5.5	23.9		0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	J	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.51	2.51		0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.7	8.36		0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.1	0.52	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	1.6	7.87		0.49	0.49	2.46	ug/m3
110-54-3	Hexane	2	7.05		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.1	0.36	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.41	0.41	2.05	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	10.9			65 - 135		109%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1557700		6.63				
540-36-3	1,4-Difluorobenzene	4667580		8.31				
3114-55-4	Chlorobenzene-d5	4233840		13.72				

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

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-1DL	SDG No.:	F1310
Lab Sample ID:	F1310-01DL	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
VL021997.D	10		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	1	4.94	UD	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	UD	2.07	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.77	0.77	12.8	ug/m3
74-83-9	Bromomethane	1	3.88	UD	1.16	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	UD	2.64	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	UD	2.95	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	UD	2.25	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	UD	3.07	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	UD	2.8	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	UD	1.31	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	UD	3.03	3.03	15.2	ug/m3
142-82-5	Heptane	2.3	9.43	JD	4.1	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
67-64-1	Acetone	86.3	205	D	2.38	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	1	3.11	UD	1.56	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	UD	1.8	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	UD	1.74	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	UD	1.62	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	UD	3.44	3.44	17.2	ug/m3
78-93-3	2-Butanone	1.5	4.42	JD	2.95	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	1.89	1.89	31.4	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
67-66-3	Chloroform	1	4.88	UD	0.98	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	1.64	1.64	27.3	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	UD	1.87	4.67	23.4	ug/m3
71-43-2	Benzene	1.3	4.15	JD	1.28	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	UD	4.05	4.05	20.2	ug/m3
79-01-6	Trichloroethene	0.3	1.61	UD	0.81	1.61	26.9	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	UD	4.62	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	UD	3.35	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	UD	2.05	4.1	20.5	ug/m3
108-88-3	Toluene	26.3	99.1	D	1.88	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	4.54	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	4.54	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	5.46	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	UD	4.26	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	UD	7.69	7.69	38.4	ug/m3

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-1DL	SDG No.:	F1310
Lab Sample ID:	F1310-01DL	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
VL021997.D	10		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	4.2	28.5	JD	2.03	2.03	33.9	ug/m3
108-90-7	Chlorobenzene	1	4.61	UD	4.61	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	3.3	14.3	JD	4.34	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	14.5	63.0	D	4.34	8.69	43.4	ug/m3
95-47-6	o-Xylene	4	17.4	JD	4.34	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	UD	4.26	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	UD	5.17	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	UD	6.87	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	UD	5.18	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1	4.92	UD	4.92	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1	4.92	UD	4.92	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	UDQ	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	10.7	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	UD	2.21	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	UDQ	2.1	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1.1	5.41	JD	4.92	4.92	24.6	ug/m3
110-54-3	Hexane	1.9	6.7	JD	1.41	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	UD	1.57	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	1	3.6	UD	3.6	3.6	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	UD	4.09	4.09	20.5	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135		108%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1566740		6.63				
540-36-3	1,4-Difluorobenzene	4948510		8.3				
3114-55-4	Chlorobenzene-d5	4439640		13.71				

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

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-2	SDG No.:	F1310
Lab Sample ID:	F1310-02	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
VL021998.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	0.59	2.92		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.31	0.64	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.11	0.29	J	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.28	1.57	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.09	0.69	J	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	1.4	5.74		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	7.8	18.5		0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	1.6	4.98		0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	1.1	3.82	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	J	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.1	0.29	U	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.04	0.25	J	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.1	0.49	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.04	0.22	J	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.2	0.93	J	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.89	2.84		0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.03	0.16	U	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	7.5	28.3		0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.77	0.77	3.84	ug/m3

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-2	SDG No.:	F1310
Lab Sample ID:	F1310-02	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
VL021998.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.87	5.9		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.51	2.22		0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1.7	7.38		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.46	2	J	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.1	0.52	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	1.2	4.23		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.1	0.36	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.41	0.41	2.05	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135		106%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1665940		6.63				
540-36-3	1,4-Difluorobenzene	5051480		8.3				
3114-55-4	Chlorobenzene-d5	4270760		13.71				

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

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-3	SDG No.:	F1310
Lab Sample ID:	F1310-03	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
VL022000.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	0.56	2.77		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.1	0.21	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.19	0.56	J	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.32	1.8	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	J	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.36	1.09	J	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	2.8	11.5		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	65.5	155	E	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.93	2.9		0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	1.4	4.86	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.21	0.72	J	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	1.9	5.6		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.03	0.19	J	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.11	0.54	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.09	0.49	J	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.16	0.75	J	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	1.2	3.83		0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.02	0.11	J	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.37	1.52	J	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	25.2	95.0	E	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.77	0.77	3.84	ug/m3

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-3	SDG No.:	F1310
Lab Sample ID:	F1310-03	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
VL022000.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	3.2	21.7		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	4.6	20.0		0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	17.5	76.0		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	5	21.7		0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.66	3.24		0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	2.6	12.8		0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.13	0.68	JQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	1.8	8.85		0.49	0.49	2.46	ug/m3
110-54-3	Hexane	1.3	4.58		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.1	0.36	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.41	0.41	2.05	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	10.9			65 - 135		109%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1621750			6.63			
540-36-3	1,4-Difluorobenzene	4781830			8.31			
3114-55-4	Chlorobenzene-d5	4228140			13.71			

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

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-3DL	SDG No.:	F1310
Lab Sample ID:	F1310-03DL	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
VL022001.D	10		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	1	4.94	UD	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	UD	2.07	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.77	0.77	12.8	ug/m3
74-83-9	Bromomethane	1	3.88	UD	1.16	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	UD	2.64	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	UD	2.95	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	UD	2.25	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	UD	3.07	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	UD	2.8	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	UD	1.31	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	UD	3.03	3.03	15.2	ug/m3
142-82-5	Heptane	1.4	5.74	JD	4.1	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
67-64-1	Acetone	76.6	181	D	2.38	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	0.9	2.8	JD	1.56	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	UD	1.8	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	UD	1.74	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	UD	1.62	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	UD	3.44	3.44	17.2	ug/m3
78-93-3	2-Butanone	1.4	4.13	JD	2.95	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	1.89	1.89	31.4	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
67-66-3	Chloroform	1	4.88	UD	0.98	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	1.64	1.64	27.3	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	UD	1.87	4.67	23.4	ug/m3
71-43-2	Benzene	0.9	2.88	JD	1.28	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	UD	4.05	4.05	20.2	ug/m3
79-01-6	Trichloroethene	0.3	1.61	UD	0.81	1.61	26.9	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	UD	4.62	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	UD	3.35	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	UD	2.05	4.1	20.5	ug/m3
108-88-3	Toluene	19.4	73.1	D	1.88	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	4.54	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	4.54	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	5.46	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	UD	4.26	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	UD	7.69	7.69	38.4	ug/m3

**Report of Analysis**

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-3DL	SDG No.:	F1310
Lab Sample ID:	F1310-03DL	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
VL022001.D	10		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	2.8	19.0	JD	2.03	2.03	33.9	ug/m3
108-90-7	Chlorobenzene	1	4.61	UD	4.61	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	2.6	11.3	JD	4.34	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	12.7	55.2	D	4.34	8.69	43.4	ug/m3
95-47-6	o-Xylene	3.3	14.3	JD	4.34	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	UD	4.26	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	UD	5.17	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	UD	6.87	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	UD	5.18	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1	4.92	UD	4.92	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.4	6.88	JD	4.92	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	UDQ	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	10.7	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	UD	2.21	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	UDQ	2.1	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1.2	5.9	JD	4.92	4.92	24.6	ug/m3
110-54-3	Hexane	1	3.52	UD	1.41	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	UD	1.57	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	1	3.6	UD	3.6	3.6	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	UD	4.09	4.09	20.5	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135		108%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1579780		6.63				
540-36-3	1,4-Difluorobenzene	4955400		8.3				
3114-55-4	Chlorobenzene-d5	4384930		13.71				

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

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-4	SDG No.:	F1310
Lab Sample ID:	F1310-04	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
VL022002.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	0.56	2.77		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.38	0.78	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	J	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.48	2.7	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.09	0.69	J	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.25	0.76	J	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	0.88	3.61		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	37.9	90.0	E	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.33	1.03	J	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	1.3	4.52	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.21	0.72	J	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	1.4	4.13		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.04	0.25	J	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.1	0.49	U	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.13	0.61	J	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.72	2.3		0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.03	0.16	U	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	7.2	27.1		0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.77	0.77	3.84	ug/m3

**Report of Analysis**

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-4	SDG No.:	F1310
Lab Sample ID:	F1310-04	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
VL022002.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.25	1.7	J	0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	1.1	4.78		0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	4.2	18.2		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	1.2	5.21		0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.13	0.64	J	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.49	2.41	J	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.1	0.52	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.33	1.62	J	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	0.79	2.78		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.1	0.36	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.41	0.41	2.05	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135		108%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1620150		6.63				
540-36-3	1,4-Difluorobenzene	5051400		8.3				
3114-55-4	Chlorobenzene-d5	4236260		13.71				

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

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-4DL	SDG No.:	F1310
Lab Sample ID:	F1310-04DL	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
VL022003.D	10		02/07/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	1	4.94	UD	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	UD	2.07	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.77	0.77	12.8	ug/m3
74-83-9	Bromomethane	1	3.88	UD	1.16	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	UD	2.64	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	UD	2.95	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	UD	2.25	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	UD	3.07	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	UD	2.8	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	UD	1.31	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	UD	3.03	3.03	15.2	ug/m3
142-82-5	Heptane	1	4.1	UD	4.1	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
67-64-1	Acetone	42.6	101	D	2.38	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	1	3.11	UD	1.56	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	UD	1.8	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	UD	1.74	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	UD	1.62	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	UD	3.44	3.44	17.2	ug/m3
78-93-3	2-Butanone	1.1	3.24	JD	2.95	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	1.89	1.89	31.4	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
67-66-3	Chloroform	1	4.88	UD	0.98	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	1.64	1.64	27.3	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	UD	1.87	4.67	23.4	ug/m3
71-43-2	Benzene	1	3.19	UD	1.28	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	UD	4.05	4.05	20.2	ug/m3
79-01-6	Trichloroethene	0.3	1.61	UD	0.81	1.61	26.9	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	UD	4.62	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	UD	3.35	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	UD	2.05	4.1	20.5	ug/m3
108-88-3	Toluene	3.5	13.2	JD	1.88	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	4.54	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	4.54	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	5.46	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	UD	4.26	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	UD	7.69	7.69	38.4	ug/m3

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	01/30/14
Project:	YUNAJ 14-01	Date Received:	01/31/14
Client Sample ID:	VP-4DL	SDG No.:	F1310
Lab Sample ID:	F1310-04DL	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
VL022003.D	10		02/07/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.3	2.03	UD	2.03	2.03	33.9	ug/m3
108-90-7	Chlorobenzene	1	4.61	UD	4.61	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	1	4.34	UD	4.34	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	1.7	7.38	JD	4.34	8.69	43.4	ug/m3
95-47-6	o-Xylene	1	4.34	UD	4.34	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	UD	4.26	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	UD	5.17	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	UD	6.87	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	UD	5.18	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1	4.92	UD	4.92	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1	4.92	UD	4.92	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	UDQ	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	10.7	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	UD	2.21	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	UDQ	2.1	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1	4.92	UD	4.92	4.92	24.6	ug/m3
110-54-3	Hexane	1	3.52	UD	1.41	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	UD	1.57	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	1	3.6	UD	3.6	3.6	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	UD	4.09	4.09	20.5	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135		106%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1487170		6.63				
540-36-3	1,4-Difluorobenzene	4537180		8.3				
3114-55-4	Chlorobenzene-d5	3742730		13.71				

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

# QC SUMMARY

**Surrogate Summary**

SDG No.: F1310

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

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
F1310-01	VP-1	1-Bromo-4-Fluorobenzene	10	10.85	109		65	135
F1310-01DL	VP-1DL	1-Bromo-4-Fluorobenzene	10	10.84	108		65	135
F1310-02	VP-2	1-Bromo-4-Fluorobenzene	10	10.57	106		65	135
F1310-03	VP-3	1-Bromo-4-Fluorobenzene	10	10.91	109		65	135
F1310-03DL	VP-3DL	1-Bromo-4-Fluorobenzene	10	10.77	108		65	135
F1310-04	VP-4	1-Bromo-4-Fluorobenzene	10	10.76	108		65	135
F1310-04DL	VP-4DL	1-Bromo-4-Fluorobenzene	10	10.61	106		65	135
F1310-04DUP	VP-4DUP	1-Bromo-4-Fluorobenzene	10	10.83	108		65	135
VL0206ABL	VL0206ABL	1-Bromo-4-Fluorobenzene	10	10.12	101		65	135
VL0206ABS	VL0206ABS	1-Bromo-4-Fluorobenzene	10	9.66	97		65	135

A  
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**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**  
**SW-846**

**SDG No.:** F1310  
**Client:** J.R.Holzmacher P.E., LLC  
**Analytical Method:** SWTO-15

**Datafile :** VL021992.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		RPD
								Low	High	
VL0206ABS	Dichlorodifluoromethane	10	10.4	ppbv	104			70	130	
	Chloromethane	10	9.5	ppbv	95			70	130	
	Vinyl Chloride	10	9.6	ppbv	96			70	130	
	Bromomethane	10	10.7	ppbv	107			70	130	
	Chloroethane	10	10.1	ppbv	101			70	130	
	Tetrahydrofuran	10	10.2	ppbv	102			70	130	
	Trichlorofluoromethane	10	11.3	ppbv	113			70	130	
	1,1,2-Trichlorotrifluoroethane	10	11.3	ppbv	113			70	130	
	Dichlorotetrafluoroethane	10	10.5	ppbv	105			70	130	
	Bromoethene	10	11.1	ppbv	111			70	130	
	tert-Butyl Alcohol	10	11.9	ppbv	119			70	130	
	Heptane	10	10.5	ppbv	105			70	130	
	1,1-Dichloroethene	10	11.3	ppbv	113			70	130	
	Acetone	10	9.3	ppbv	93			70	130	
	Carbon disulfide	10	11.5	ppbv	115			70	130	
	Methyl tert-butyl Ether	10	11.6	ppbv	116			70	130	
	Methylene Chloride	10	8.8	ppbv	88			70	130	
	trans-1,2-Dichloroethene	10	11.1	ppbv	111			70	130	
	1,1-Dichloroethane	10	10.2	ppbv	102			70	130	
	Cyclohexane	10	11.3	ppbv	113			70	130	
	2-Butanone	10	9.6	ppbv	96			70	130	
	Carbon Tetrachloride	10	9.8	ppbv	98			70	130	
	cis-1,2-Dichloroethene	10	11.3	ppbv	113			70	130	
	Chloroform	10	10.6	ppbv	106			70	130	
	1,1,1-Trichloroethane	10	11.1	ppbv	111			70	130	
	2,2,4-Trimethylpentane	10	9.9	ppbv	99			70	130	
	Benzene	10	10.3	ppbv	103			70	130	
	1,2-Dichloroethane	10	9.8	ppbv	98			70	130	
	Trichloroethene	10	11.2	ppbv	112			70	130	
	1,2-Dichloropropane	10	9.5	ppbv	95			70	130	
	Bromodichloromethane	10	10	ppbv	100			70	130	
	4-Methyl-2-Pentanone	10	10.3	ppbv	103			70	130	
	Toluene	10	11.7	ppbv	117			70	130	
	t-1,3-Dichloropropene	10	12	ppbv	120			70	130	
	cis-1,3-Dichloropropene	10	11.6	ppbv	116			70	130	
	1,1,2-Trichloroethane	10	10.3	ppbv	103			70	130	
	Dibromochloromethane	10	11.1	ppbv	111			70	130	
	1,2-Dibromoethane	10	11.2	ppbv	112			70	130	
	Tetrachloroethene	10	11.8	ppbv	118			70	130	
	Chlorobenzene	10	10.2	ppbv	102			70	130	
Ethyl Benzene	10	11.6	ppbv	116			70	130		
m/p-Xylene	20	22.4	ppbv	112			70	130		
o-Xylene	10	11.5	ppbv	115			70	130		
Styrene	10	12.7	ppbv	127			70	130		
Bromoform	10	12.1	ppbv	121			70	130		
1,1,2,2-Tetrachloroethane	10	10.2	ppbv	102			70	130		
2-Chlorotoluene	10	12	ppbv	120			70	130		
1,3,5-Trimethylbenzene	10	11.8	ppbv	118			70	130		
1,2,4-Trimethylbenzene	10	11.6	ppbv	116			70	130		

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**  
**SW-846**

**SDG No.:** F1310

**Client:** J.R.Holzmacher P.E., LLC

**Analytical Method:** SWTO-15

**Datafile :** VL021992.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		RPD
								Low	High	
VL0206ABS	1,3-Dichlorobenzene	10	11.5	ppbv	115			70	130	
	1,4-Dichlorobenzene	10	11.7	ppbv	117			70	130	
	1,2-Dichlorobenzene	10	11.6	ppbv	116			70	130	
	1,2,4-Trichlorobenzene	10	13.4	ppbv	134	*		70	130	
	Hexachloro-1,3-butadiene	10	11.2	ppbv	112			70	130	
	Naphthalene	10	13.5	ppbv	135	*		70	130	
	1,3-Butadiene	10	10.1	ppbv	101			70	130	
	4-Ethyltoluene	10	12.1	ppbv	121			70	130	
	Hexane	10	10.6	ppbv	106			70	130	
	Allyl Chloride	10	10.7	ppbv	107			70	130	
	1,4-Dioxane	10	11.1	ppbv	111			70	130	
	Methyl methacrylate	10	11.1	ppbv	111			70	130	

### Duplicate Sample Summary

<b>Lab Sample Id :</b>	F1310-04DUP	F1310-04
<b>Client Id :</b>	VP-4DUP	VP-4
<b>DF :</b>	1	1
<b>Datafile :</b>	VL022016.D	VL022002.D
<b>Anal Date &amp; Time :</b>	02/07/2014 10:11	02/06/2014 23:52

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0.09	0.09	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0.59	0.49	18.5
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0.16	0.13	20.7 *
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0.03	0	200 *
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0.18	0.13	32.3 *
2-Butanone	1.6	1.4	13.3
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0.41	0.33	21.6 *
4-Methyl-2-Pentanone	0.16	0	200 *
Acetone	40.9	37.9	7.6
Allyl Chloride	0	0	0
Benzene	0.85	0.72	16.6
Bromodichloromethane	0	0	0
Bromoethene	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0.36	0.33	8.7

### Duplicate Sample Summary

<b>Lab Sample Id :</b>	F1310-04DUP	F1310-04
<b>Client Id :</b>	VP-4DUP	VP-4
<b>DF :</b>	1	1
<b>Datafile :</b>	VL022016.D	VL022002.D
<b>Anal Date &amp; Time :</b>	02/07/2014 10:11	02/06/2014 23:52

Parameter	Result	Result	RPD
Carbon Tetrachloride	0.05	0.04	22.2 *
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.42	0.38	10
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0.26	0.21	21.3 *
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.53	0.56	5.5
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	1.3	1.1	16.7
Heptane	1.1	0.88	22.2 *
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.95	0.79	18.4
m/p-Xylene	4.8	4.2	13.3
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	1.3	1.3	0
Naphthalene	0	0	0
o-Xylene	1.4	1.2	15.4
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0.33	0.25	27.6 *
Tetrachloroethene	0.32	0.25	24.6 *
Tetrahydrofuran	0.18	0.13	32.3 *
Toluene	8	7.2	10.5
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.51	0.48	6.1
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0206ABL

Lab Name: CHEMTECH

Contract: JRHO01

Lab Code: CHEM Case No.: F1310

SAS No.: F1310 SDG NO.: F1310

Lab File ID: VL021991.D

Lab Sample ID: VL0206ABL

Date Analyzed: 02/06/2014

Time Analyzed: 15:46

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
VL0206ABS	VL0206ABS	VL021992.D	02/06/2014
VP-1	F1310-01	VL021996.D	02/06/2014
VP-1DL	F1310-01DL	VL021997.D	02/06/2014
VP-2	F1310-02	VL021998.D	02/06/2014
VP-3	F1310-03	VL022000.D	02/06/2014
VP-3DL	F1310-03DL	VL022001.D	02/06/2014
VP-4	F1310-04	VL022002.D	02/06/2014
VP-4DL	F1310-04DL	VL022003.D	02/07/2014
VP-4DUP	F1310-04DUP	VL022016.D	02/07/2014

COMMENTS: \_\_\_\_\_

A  
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JRHO01  
 Lab Code: CHEM Case No.: F1310 SAS No.: F1310 SDG NO.: F1310  
 Lab File ID: VL021959.D BFB Injection Date: 02/04/2014  
 Instrument ID: MSVOA\_L BFB Injection Time: 12:51  
 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	21.5
75	30.0 - 66.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 ( 0.0 ) 1
174	50.0 - 120.0% of mass 95	63.9
175	4.0 - 9.0% of mass 174	4.6 ( 7.2 ) 1
176	93.0 - 101.0% of mass 174	61.2 ( 95.8 ) 1
177	5.0 - 9.0% of mass 176	4 ( 6.6 ) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL021960.D	02/04/2014	13:29
VSTDICCC002	VSTDICCC002	VL021961.D	02/04/2014	14:10
VSTDICCC0.1	VSTDICCC0.1	VL021962.D	02/04/2014	14:49
VSTDICCC0.03	VSTDICCC0.03	VL021963.D	02/04/2014	15:27
VSTDICCC001	VSTDICCC001	VL021964.D	02/04/2014	16:04
VSTDICCC0.5	VSTDICCC0.5	VL021965.D	02/04/2014	16:41
VSTDICCC015	VSTDICCC015	VL021966.D	02/04/2014	17:22

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JRHO01  
 Lab Code: CHEM Case No.: F1310 SAS No.: F1310 SDG NO.: F1310  
 Lab File ID: VL021989.D BFB Injection Date: 02/06/2014  
 Instrument ID: MSVOA\_L BFB Injection Time: 13:07  
 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	20.6
75	30.0 - 66.0% of mass 95	54.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 ( 0.0 ) 1
174	50.0 - 120.0% of mass 95	66.4
175	4.0 - 9.0% of mass 174	4.8 ( 7.3 ) 1
176	93.0 - 101.0% of mass 174	64 ( 96.5 ) 1
177	5.0 - 9.0% of mass 176	4.2 ( 6.6 ) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL021990.D	02/06/2014	13:45
VL0206ABL	VL0206ABL	VL021991.D	02/06/2014	15:46
VL0206ABS	VL0206ABS	VL021992.D	02/06/2014	16:25
VP-1	F1310-01	VL021996.D	02/06/2014	19:49
VP-1DL	F1310-01DL	VL021997.D	02/06/2014	20:30
VP-2	F1310-02	VL021998.D	02/06/2014	21:11
VP-3	F1310-03	VL022000.D	02/06/2014	22:32
VP-3DL	F1310-03DL	VL022001.D	02/06/2014	23:12
VP-4	F1310-04	VL022002.D	02/06/2014	23:52
VP-4DL	F1310-04DL	VL022003.D	02/07/2014	00:33
VP-4DUP	F1310-04DUP	VL022016.D	02/07/2014	10:11

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JRHO01  
 Lab Code: CHEM Case No.: F1310 SAS No.: F1310 SDG NO.: F1310  
 Lab File ID: VL021990.D Date Analyzed: 02/06/2014  
 Instrument ID: MSVOA\_L Time Analyzed: 13:45  
 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	1461340	6.63	5229100	8.31	4850570	13.73
UPPER LIMIT	2045870	6.96	7320740	8.64	6790800	14.06
LOWER LIMIT	876802	6.30	3137460	7.98	2910340	13.40
EPA SAMPLE NO.						
VP-1	1557700	6.63	4667580	8.31	4233840	13.72
VP-1DL	1566740	6.63	4948510	8.30	4439640	13.71
VP-2	1665940	6.63	5051480	8.30	4270760	13.71
VP-3	1621750	6.63	4781830	8.31	4228140	13.71
VP-3DL	1579780	6.63	4955400	8.30	4384930	13.71
VP-4	1620150	6.63	5051400	8.30	4236260	13.71
VP-4DL	1487170	6.63	4537180	8.30	3742730	13.71
VP-4DUP	1494010	6.62	4971450	8.29	4542110	13.71
VL0206ABL	1394960	6.63	4295030	8.30	3669070	13.71
VL0206ABS	1526440	6.63	5060570	8.31	4754030	13.73

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 LOWER LIMIT = -0.33 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

# QC SAMPLE DATA

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	YUNAJ 14-01	Date Received:	
Client Sample ID:	VL0206ABL	SDG No.:	F1310
Lab Sample ID:	VL0206ABL	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
VL021991.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	0.1	0.49	U	0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.1	0.21	U	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.1	0.56	U	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	0.1	0.41	U	0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	0.1	0.24	U	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.1	0.31	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	0.36	1.25	J	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.1	0.34	U	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.1	0.29	U	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.03	0.19	U	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.1	0.49	U	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.1	0.47	U	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.1	0.32	U	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.03	0.16	U	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	0.1	0.38	U	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.77	0.77	3.84	ug/m3

**Report of Analysis**

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	YUNAJ 14-01	Date Received:	
Client Sample ID:	VL0206ABL	SDG No.:	F1310
Lab Sample ID:	VL0206ABL	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
VL021991.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.03	0.2	U	0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.1	0.43	U	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	0.2	0.87	U	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.1	0.43	U	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	U	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.1	0.52	U	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	0.1	0.35	U	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.1	0.36	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.41	0.41	2.05	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135		101%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1394960		6.63				
540-36-3	1,4-Difluorobenzene	4295030		8.3				
3114-55-4	Chlorobenzene-d5	3669070		13.71				

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

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	YUNAJ 14-01	Date Received:	
Client Sample ID:	VL0206ABS	SDG No.:	F1310
Lab Sample ID:	VL0206ABS	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
VL021992.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>								
75-71-8	Dichlorodifluoromethane	10.4	51.4		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	9.5	19.6		0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	9.6	24.5		0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	10.7	41.6		0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	10.1	26.6		0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.2	30.1		0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	11.3	63.5		0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	11.3	86.6		0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.5	73.4		0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	11.1	48.5		0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	11.9	36.1		0.3	0.3	1.52	ug/m3
142-82-5	Heptane	10.5	43.0		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	11.3	44.8		0.2	0.4	1.98	ug/m3
67-64-1	Acetone	9.3	22.1		0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	11.5	35.8		0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	11.6	41.8		0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	8.8	30.6		0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	11.1	44.0		0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	10.2	41.3		0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	11.3	38.9		0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	9.6	28.3		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	9.8	61.6		0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	11.3	44.8		0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	10.6	51.8		0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	11.1	60.6		0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.9	46.2		0.19	0.47	2.34	ug/m3
71-43-2	Benzene	10.3	32.9		0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	9.8	39.7		0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	11.2	60.2		0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	9.5	43.9		0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	10	67.0		0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.3	42.2		0.2	0.41	2.05	ug/m3
108-88-3	Toluene	11.7	44.1		0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	12	54.5		0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	11.6	52.7		0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.3	56.2		0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	11.1	94.6		0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	11.2	86.1		0.77	0.77	3.84	ug/m3

### Report of Analysis

Client:	J.R.Holzmacher P.E., LLC	Date Collected:	
Project:	YUNAJ 14-01	Date Received:	
Client Sample ID:	VL0206ABS	SDG No.:	F1310
Lab Sample ID:	VL0206ABS	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
VL021992.D	1		02/06/14	VL020614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	11.8	80.0		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	10.2	47.0		0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	11.6	50.4		0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	22.4	97.3		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	11.5	50.0		0.43	0.43	2.17	ug/m3
100-42-5	Styrene	12.7	54.1		0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	12.1	125		0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	10.2	70.0		0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	12	62.1		0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	11.8	58.0		0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	11.6	57.0		0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	11.5	69.1		0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	11.7	70.3		0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	11.6	69.7		0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	13.4	99.5		0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	11.2	119		1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	10.1	22.3		0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	13.5	70.8		0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	12.1	59.5		0.49	0.49	2.46	ug/m3
110-54-3	Hexane	10.6	37.4		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	10.7	33.5		0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	11.1	40.0		0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	11.1	45.4		0.41	0.41	2.05	ug/m3
<b>SURROGATES</b>								
460-00-4	1-Bromo-4-Fluorobenzene	9.7			65 - 135		97%	SPK: 10
<b>INTERNAL STANDARDS</b>								
74-97-5	Bromochloromethane	1526440		6.63				
540-36-3	1,4-Difluorobenzene	5060570		8.31				
3114-55-4	Chlorobenzene-d5	4754030		13.73				

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

# CALIBRATION SUMMARY

Method Path : W:\HPCHEM1\MSVOA\_L\METHODS\

Method File : VL020414AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Feb 18 07:55:47 2014

Last Update : Tue Feb 18 07:55:47 2014

Response Via : Initial Calibration

## Calibration Files

0.03=VL021963.D 0.1 =VL021962.D 0.5 =VL021965.D  
 1 =VL021964.D 2 =VL021961.D 10 =VL021960.D

Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
-----ISTD-----								
1) I Bromochloromethane								
2) T Dichlorodifluorom			2.685	2.624	2.542	2.197	2.456	9.22
3) Chloromethane			0.888	0.856	0.832	0.722	0.807	9.03
4) T Vinyl Chloride	1.178	0.886	0.899	0.889	0.897	0.807	0.911	13.59
5) T Bromomethane			0.656	0.629	0.600	0.548	0.599	7.53
6) Chloroethane			0.411	0.398	0.388	0.350	0.382	6.67
7) T Dichlorotetrafluo			2.450	2.389	2.277	1.987	2.227	9.36
8) T Propene			0.443	0.420	0.542	0.496	0.480	10.05
9) T Heptane			1.771	2.051	2.263	2.071	2.051	8.65
10) T Trichlorofluorome			2.752	2.699	2.418	2.125	2.455	10.93
11) T 1,1,2-Trichlorotr			1.760	1.726	1.559	1.365	1.575	10.68
12) Ethanol			0.089	0.078	0.082	0.066	0.078	11.23
13) T Bromoethene			0.653	0.637	0.653	0.601	0.635	3.41
14) T Acetone			1.545	1.493	1.428	1.074	1.335	16.14
15) T 1,3-Butadiene			0.606	0.576	0.616	0.555	0.585	4.32
16) tert-Butyl alcoho			0.713	0.698	0.744	0.782	0.770	11.05
17) T 1,1-Dichloroethen			0.931	0.916	0.902	0.813	0.885	5.38
18) T Isopropyl Alcohol			0.573	0.547	0.600	0.631	0.605	8.21
19) T Methylene Chlorid			1.467	1.132	0.927	0.703	0.994	31.70
20) T Allyl Chloride			0.656	0.670	0.713	0.655	0.677	3.65
21) T trans-1,2-Dichlor			0.830	0.805	0.926	0.876	0.863	5.41
22) T Vinyl Acetate			1.584	1.781	2.179	1.973	1.914	12.24
23) T 1,1-Dichloroethan			1.828	1.826	1.896	1.699	1.794	4.58
24) T Ethyl Acetate			3.147	3.224	3.489	3.077	3.206	5.26
25) T Hexane			1.229	1.308	1.492	1.368	1.352	7.12
26) T Carbon Disulfide			1.574	1.588	1.594	1.458	1.548	3.70
27) T Methyl tert-Butyl			1.655	1.843	2.329	2.251	2.091	15.44
28) T Chloroform			2.245	2.207	2.197	1.996	2.139	5.14
29) T Cyclohexane			1.109	1.177	1.364	1.340	1.268	9.20
30) T cis-1,2-Dichloroe			0.942	1.002	1.264	1.253	1.148	14.13
31) T 1,1,1-Trichloroet	2.419	1.922	1.894	1.933	2.004	1.856	2.001	9.54
-----ISTD-----								
32) I 1,4-Difluorobenzene								
33) T 2-Butanone			0.492	0.526	0.623	0.557	0.553	8.86
34) T Carbon Tetrachlor	0.954	0.738	0.725	0.737	0.724	0.643	0.741	13.53
35) T Benzene			0.799	0.862	1.021	0.959	0.919	9.55
36) T 1,2-Dichloroethan			0.555	0.551	0.562	0.491	0.534	5.84
37) T Trichloroethene	0.403	0.334	0.326	0.353	0.400	0.380	0.369	8.59
38) T 1,2-Dichloropropa			0.335	0.345	0.382	0.348	0.352	5.10
39) T 1,4-Dioxane			0.054	0.067	0.086	0.089	0.077	20.97
40) T Tetrahydrofuran			0.229	0.269	0.353	0.341	0.308	18.09
41) T Bromodichlorometh			0.747	0.763	0.805	0.720	0.754	4.32
42) Methyl Methacryla			0.240	0.291	0.375	0.377	0.333	19.27
43) T 2,2,4-Trimethylpe			1.280	1.525	1.724	1.517	1.507	10.48
44) T t-1,3-Dichloropro			0.285	0.335	0.475	0.503	0.424	25.26
45) T cis-1,3-Dichlorop			0.361	0.422	0.578	0.593	0.511	21.89
46) T 1,1,2-Trichloroet			0.337	0.352	0.374	0.341	0.350	4.12
47) T Dibromochlorometh			0.509	0.542	0.590	0.552	0.553	5.56
48) T Bromoform			0.405	0.443	0.504	0.511	0.481	11.52
49) T 4-Methyl-2-Pentan			0.578	0.718	0.855	0.803	0.756	14.77
50) T 2-Hexanone			0.417	0.565	0.737	0.747	0.648	23.63
51) T Tetrachloroethene	0.327	0.272	0.255	0.271	0.321	0.324	0.302	11.67
52) T Toluene			0.692	0.861	1.137	1.119	0.990	20.59

Method Path : W:\HPCHEM1\MSVOA\_L\METHODS\

Method File : VL020414AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Feb 18 07:55:47 2014

Last Update : Tue Feb 18 07:55:47 2014

Response Via : Initial Calibration

## Calibration Files

0.03=VL021963.D 0.1 =VL021962.D 0.5 =VL021965.D  
 1 =VL021964.D 2 =VL021961.D 10 =VL021960.D

	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
53) T	1,2-Dibromoethane			0.860	0.936	1.043	0.998	0.973	7.77
54) I	Chlorobenzene-d5	-----ISTD-----							
55)	1,1,1,2-Tetrachlo			0.460	0.469	0.462	0.419	0.441	7.10
56) T	Chlorobenzene			0.999	0.994	0.988	0.907	0.948	6.85
57) T	Ethyl Benzene			1.010	1.283	1.586	1.564	1.378	17.31
58) T	m/p-Xylene			1.002	1.225	1.356	1.287	1.216	10.93
59) T	o-Xylene			0.854	1.088	1.212	1.178	1.090	12.92
60) T	Styrene			0.475	0.662	0.890	0.936	0.769	25.43
61)	Isopropylbenzene			1.211	1.417	1.582	1.504	1.426	9.72
62) T	1,1,2,2-Tetrachlo			1.031	1.047	1.022	0.941	0.984	7.28
63)	n-propylbenzene			0.274	0.342	0.379	0.367	0.343	12.01
64)	tert-Butylbenzene			0.853	1.080	1.251	1.236	1.127	14.88
65) T	Benzyl Chloride			0.578	0.723	0.907	1.067	0.867	24.68
66)	sec-Butylbenzene			1.309	1.600	1.755	1.659	1.585	10.53
67) S	1-Bromo-4-Fluorob	0.797	0.805	0.818	0.806	0.768	0.763	0.778	5.53
68)	p-Isopropyltoluen			0.816	1.102	1.305	1.279	1.152	17.73
69)	n-Butylbenzene			0.806	1.083	1.299	1.267	1.140	17.95
70)	2-Chlorotoluene			0.678	0.870	1.098	1.088	0.953	18.73
71) T	4-Ethyltoluene			0.845	1.109	1.339	1.301	1.167	17.12
72) T	1,3,5-Trimethylbe			0.949	1.188	1.370	1.309	1.215	13.40
73) T	1,2,4-Trimethylbe			1.021	1.263	1.380	1.319	1.255	10.97
74) T	1,3-Dichlorobenze			0.690	0.747	0.776	0.742	0.739	4.20
75) T	1,4-Dichlorobenze			0.610	0.694	0.743	0.705	0.690	7.06
76) T	1,2-Dichlorobenze			0.572	0.649	0.687	0.638	0.636	6.51
77) T	Hexachloro-1,3-Bu			0.252	0.248	0.248	0.212	0.236	7.99
78) T	Naphthalene			0.381	0.517	0.709	0.735	0.611	25.50
79) T	Naphthalene,2-met			0.063	0.067	0.085	0.106	0.076	25.50
80) T	1,2,4-Trichlorobe			0.160	0.183	0.234	0.247	0.215	18.96

(#) = Out of Range ### Number of calibration levels exceeded format ###

Data Path : W:\HPCHEM1\Msvoa\_L\Data\VL020614\  
 Data File : VL021990.D  
 Acq On : 6 Feb 2014 13:45  
 Operator : SY  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Feb 06 14:43:21 2014  
 Quant Method : W:\HPCHEM1\MSVOA\_L\METHOD\VL020414AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Feb 04 17:58:05 2014  
 QLast Update : Tue Feb 04 17:58:05 2014  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	79	0.02
2 T	Dichlorodifluoromethane	2.456	2.686	-9.4	97	0.01
3	Chloromethane	0.807	0.700	13.3	77	0.01
4 T	Vinyl Chloride	0.911	0.821	9.9	81	0.01
5 T	Bromomethane	0.599	0.616	-2.8	89	0.01
6	Chloroethane	0.382	0.362	5.2	82	0.01
7 T	Dichlorotetrafluoroethane	2.227	2.262	-1.6	90	0.01
8 T	Propene	0.480	0.438	8.7	70	0.02
9 T	Heptane	2.051	2.014	1.8	77	0.02
10 T	Trichlorofluoromethane	2.455	2.554	-4.0	95	0.01
11 T	1,1,2-Trichlorotrifluoroeth	1.575	1.612	-2.3	94	0.02
12	Ethanol	0.078	0.056	28.2	67	0.02
13 T	Bromoethene	0.635	0.671	-5.7	88	0.02
14 T	Acetone	1.335	1.150	13.9	85	0.02
15 T	1,3-Butadiene	0.585	0.541	7.5	77	0.02
16	tert-Butyl alcohol	0.770	0.858	-11.4	87	0.02
17 T	1,1-Dichloroethene	0.885	0.917	-3.6	89	0.02
18 T	Isopropyl Alcohol	0.605	0.572	5.5	72	0.02
19 T	Methylene Chloride	0.994	0.810	18.5	91	0.02
20 T	Allyl Chloride	0.677	0.665	1.8	80	0.02
21 T	trans-1,2-Dichloroethene	0.863	1.002	-16.1	91	0.02
22 T	Vinyl Acetate	1.914	1.817	5.1	73	0.02
23 T	1,1-Dichloroethane	1.794	1.875	-4.5	87	0.02
24 T	Ethyl Acetate	3.206	3.030	5.5	78	0.02
25 T	Hexane	1.352	1.380	-2.1	80	0.02
26 T	Carbon Disulfide	1.548	1.667	-7.7	91	0.02
27 T	Methyl tert-Butyl Ether	2.091	2.497	-19.4	88	0.02
28 T	Chloroform	2.139	2.434	-13.8	97	0.02
29 T	Cyclohexane	1.268	1.502	-18.5	89	0.02
30 T	cis-1,2-Dichloroethene	1.148	1.318	-14.8	83	0.02
31 T	1,1,1-Trichloroethane	2.001	2.406	-20.2	103	0.02
32 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.02
33 T	2-Butanone	0.553	0.471	14.8	77	0.02
34 T	Carbon Tetrachloride	0.741	0.745	-0.5	105	0.02
35 T	Benzene	0.919	0.918	0.1	87	0.02
36 T	1,2-Dichloroethane	0.534	0.511	4.3	94	0.02
37 T	Trichloroethene	0.369	0.412	-11.7	98	0.02
38 T	1,2-Dichloropropane	0.352	0.321	8.8	83	0.02
39 T	1,4-Dioxane	0.077	0.077	0.0	79	0.03
40 T	Tetrahydrofuran	0.308	0.271	12.0	72	0.02
41 T	Bromodichloromethane	0.754	0.767	-1.7	97	0.02
42	Methyl Methacrylate	0.333	0.352	-5.7	85	0.02
43 T	2,2,4-Trimethylpentane	1.507	1.353	10.2	81	0.03
44 T	t-1,3-Dichloropropene	0.424	0.502	-18.4	91	0.02
45 T	cis-1,3-Dichloropropene	0.511	0.582	-13.9	89	0.02

Data Path : W:\HPCHEM1\Msvoa\_L\Data\VL020614\  
 Data File : VL021990.D  
 Acq On : 6 Feb 2014 13:45  
 Operator : SY  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Feb 06 14:43:21 2014  
 Quant Method : W:\HPCHEM1\MSVOA\_L\METHOD\VL020414AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Feb 04 17:58:05 2014  
 QLast Update : Tue Feb 04 17:58:05 2014  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	1,1,2-Trichloroethane	0.350	0.363	-3.7	96	0.02
47 T	Dibromochloromethane	0.553	0.636	-15.0	104	0.02
48 T	Bromoform	0.481	0.606	-26.0	108	0.02
49 T	4-Methyl-2-Pentanone	0.756	0.690	8.7	78	0.02
50 T	2-Hexanone	0.648	0.645	0.5	78	0.03
51 T	Tetrachloroethene	0.302	0.360	-19.2	101	0.02
52 T	Toluene	0.990	1.112	-12.3	90	0.03
53 T	1,2-Dibromoethane	0.973	1.082	-11.2	98	0.02
54 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.03
55	1,1,1,2-Tetrachloroethane	0.441	0.473	-7.3	103	0.03
56 T	Chlorobenzene	0.948	0.958	-1.1	97	0.02
57 T	Ethyl Benzene	1.378	1.561	-13.3	91	0.03
58 T	m/p-Xylene	1.216	1.324	-8.9	94	0.03
59 T	o-Xylene	1.090	1.209	-10.9	94	0.03
60 T	Styrene	0.769	0.963	-25.2	94	0.03
61	Isopropylbenzene	1.426	1.588	-11.4	96	0.03
62 T	1,1,2,2-Tetrachloroethane	0.984	0.987	-0.3	96	0.03
63	n-propylbenzene	0.343	0.396	-15.5	99	0.03
64	tert-Butylbenzene	1.127	1.350	-19.8	100	0.03
65 T	Benzyl Chloride	0.867	1.211	-39.7#	104	0.03
66	sec-Butylbenzene	1.585	1.787	-12.7	98	0.03
67 S	1-Bromo-4-Fluorobenzene	0.778	0.763	1.9	91	0.03
68	p-Isopropyltoluene	1.152	1.381	-19.9	99	0.03
69	n-Butylbenzene	1.140	1.331	-16.8	96	0.03
70	2-Chlorotoluene	0.953	1.117	-17.2	94	0.03
71 T	4-Ethyltoluene	1.167	1.369	-17.3	96	0.03
72 T	1,3,5-Trimethylbenzene	1.215	1.393	-14.7	97	0.03
73 T	1,2,4-Trimethylbenzene	1.255	1.407	-12.1	97	0.03
74 T	1,3-Dichlorobenzene	0.739	0.849	-14.9	105	0.03
75 T	1,4-Dichlorobenzene	0.690	0.799	-15.8	104	0.03
76 T	1,2-Dichlorobenzene	0.636	0.718	-12.9	103	0.03
77 T	Hexachloro-1,3-Butadiene	0.236	0.218	7.6	94	0.02
78 T	Naphthalene	0.611	0.705	-15.4	88	0.02
79 T	Naphthalene,2-methyl-	0.076	0.041#	46.1#	35	0.04
80 T	1,2,4-Trichlorobenzene	0.215	0.243	-13.0	90	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

# SHIPPING DOCUMENTS

# CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. :

**F1310**

Client Contact Information		Bottle Order ID : <b>B1401019</b>		Courier :		1 of 4 COCs											
Client ID : <b>JRH001</b>		Project ID : <b>YUNAJ 14-01</b>		Sampler Name(s) : <i>Paul HOFFER</i>		Analysis											
Customer Name : <b>J.R.Holzmacher P.E., LLC</b>		Project Manager : <b>Jim demartinis</b>		<b>AIR ANALYSIS</b> <b>CHAIN-OF-CUSTODY</b> <b>Batch Certified</b>													
Address : <b>3555 Veterans Memorial Highway Suite A</b>		Phone Number : <b>631-234-2220</b>															
City : <b>Ronkonkoma</b>		Fax Number : <b>6312342221</b>															
State : <b>NY</b>		Standard : <b>15 business days</b>		Data Package Type : <b>CATEGORY B</b>		Matrix											
Zip Code : <b>11779</b>		Rush (Specify) : <b>Days</b>		EDD Type :		Indoor/Ambinet Air											
Country : <b>USA</b>		Analysis Turnaround Time		Flow Control		Soil Gas											
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 Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Control Readout	Can Cert ID			
<b>VP-1</b>	<b>1/30/14</b>	<b>0836</b>	<b>1236</b>	<b>-30</b>	<b>-1</b>	<b>16°</b>	<b>29</b>	<b>-30</b>	<b>-1.8</b>	<b>10185</b>	<b>10445</b>	<b>6 L</b>	<b>25</b>	<b>VL021505.D</b>	<b>X</b>	<b>X</b>	
Temperature (Fahrenheit) Ambient Maximum Minimum Start Stop Pressure (Inches of Hg) Ambient Maximum Minimum Start Stop ** Submittal of this COC indicates approval of the analysis based on existing conditions Please follow the instructions on the back of this CO																	
Special Instructions/QC Requirements & Comments : Suspected Contamination: High Medium Low Sampling site (State) : <b>NY</b> PID Readings: <b>0.0ppm</b> Quick Connector required : <b>NR</b> Canisters Shipped by: <b>MR</b> Samples Relinquished by: <b>MR</b> Relinquished by: <b>MR</b>																	
Date/Time: <b>1/31/14</b>		Date/Time: <b>1/31/14 1200</b>		Date/Time: <b>1/31/14 1200</b>		Date/Time: <b>1/31/14 1200</b>		Date/Time: <b>1/31/14 1200</b>		Date/Time: <b>1/31/14 1200</b>		Date/Time: <b>1/31/14 1200</b>		Date/Time: <b>1/31/14 1200</b>		Date/Time: <b>1/31/14 1200</b>	
Received by: <b>MR</b>		Received by: <b>MR</b>		Received by: <b>MR</b>		Received by: <b>MR</b>		Received by: <b>MR</b>		Received by: <b>MR</b>		Received by: <b>MR</b>		Received by: <b>MR</b>		Received by: <b>MR</b>	

# CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. :

F1310

Client Contact Information		Bottle Order ID : <b>B1401019</b>		Courier :		Sampler Name(s) : <b>Phil Hopper</b>		Analysis		Matrix																									
Client ID : <b>JRH001</b>		Project ID : <b>YUNAJ 14-01</b>		Project Manager : <b>Jim demartinis</b>		AIR ANALYSIS		2 of 4 COCs																											
Customer Name : <b>J.R.Holzmaacher P.E., LLC</b>		Phone Number : <b>631-234-2220</b>		Fax Number : <b>6312342221</b>		CHAIN-OF-CUSTODY																													
Address : <b>3555 Veterans Memorial Highway Suite A</b>		City : <b>Ronkonkoma</b>		State : <b>NY</b>		Batch Certified																													
Zip Code : <b>11779</b>		Standard : <b>15 business days</b>		OR		Data Package Type : <b>Category B</b>																													
Country : <b>USA</b>		Rush (Specify) : <b>Days</b>		EDD Type :																															
Sample Identification		Sample Date(s)		Time Start (24 hr Clock)		Time Stop (24 hr Clock)		Vacuum in Field ("Hg) (Start)		Vacuum in Field ("Hg) (Stop)**																									
<b>VP-2</b>		<b>1/31/14</b>		<b>0817</b>		<b>1217</b>		<b>-30</b>		<b>-4</b>																									
								Interior Temp. (F) (Start)		Interior Temp. (F) (Stop)																									
								<b>17°</b>		<b>29</b>																									
								Out going Can Pressure ("Hg)(Lab)		In coming Can Pressure ("Hg)(Lab)																									
								<b>-30</b>		<b>22</b>																									
								Flow Reg. ID		Can ID																									
								<b>10571</b>		<b>10598</b>																									
								Can Size (L)		Flow Controller Readout																									
								<b>6 L</b>		<b>25</b>																									
								Can Cert ID		<b>VL021505.D</b>																									
								TO-15		<input checked="" type="checkbox"/>																									
								Indoor/Ambinet Air		<input checked="" type="checkbox"/>																									
								Soil Gas		<input checked="" type="checkbox"/>																									
<p>Temperature (Fahrenheit)</p> <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table> <p>Pressure (Inches of Hg)</p> <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>												Ambient	Maximum	Minimum				Start			Stop			Ambient	Maximum	Minimum				Start			Stop		
Ambient	Maximum	Minimum																																	
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Start																																			
Stop																																			
<p>Special Instructions/QC Requirements &amp; Comments :</p> <p>Suspected Contamination: High Medium Low</p> <p>Sampling site (State): <b>NY</b></p> <p>Quick Connector required: <b>NO</b></p> <p>Canisters Shipped by: <b>MTA</b> Date/Time: <b>1/30/14 1400</b> Received by: <b>Phil Hopper</b> Date/Time: <b>1/31/14 085</b></p> <p>Samples Relinquished by: <b>Phil Hopper</b> Date/Time: <b>1/31/14 085</b> Received by: <b>Phil Hopper</b> Date/Time: <b>1/31/14 085</b></p> <p>Relinquished by: <b>Phil Hopper</b> Date/Time: <b>1/31/14 085</b> Received by: <b>Phil Hopper</b> Date/Time: <b>1/31/14 085</b></p> <p>PID Readings: <b>0.0ppm</b></p> <p>Please follow the instructions on the back of this CO</p> <p>** Submittal of this COC indicates approval of the analysis based on existing conditions</p> <p>GC/MS Analyst Signature (TO-15) <b>[Signature]</b></p>																																			

# CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. :

F1310

Client Contact Information		Bottle Order ID : <b>B1401019</b>		Courier :		Sampler Name(s) : <u>Paul Hoffmann</u>		Analysis		Matrix																							
Client ID : <b>JRH001</b>		Project ID : <b>YUNAJ 14-01</b>		Project Manager : <b>Jim demartinis</b>		AIR ANALYSIS		5 of 4 COCs																									
Customer Name : <b>J.R.Holzmacher P.E., LLC</b>		Phone Number : <b>631-234-2220</b>		Fax Number : <b>6312342221</b>		CHAIN-OF-CUSTODY																											
Address : <b>3555 Veterans Memorial Highway Suite A</b>		City : <b>Ronkonkoma</b>		State : <b>NY</b>		Batch Certified																											
Zip Code : <b>11779</b>		Country : <b>USA</b>		Standard : <b>15 business days</b>		Data Package Type : <u>Category B</u>																											
Sample Identification		Time Start (24 hr Clock)		Time Stop (24 hr Clock)		Vacuum in Field ("Hg) (Start)		Vacuum in Field ("Hg) (Stop)**		Interior Temp. (F) (Start)		Interior 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		Can Cert ID		TO-15		Indoor/Ambinet Air		Soil Gas	
<u>VF-3</u>		<u>1/16/14 8:20</u>		<u>1:30</u>		<u>-20</u>		<u>-4</u>		<u>17</u>		<u>29</u>		<u>-30</u>		<u>-2.2</u>		<u>10562</u>		<u>10281</u>		<u>6 L</u>		<u>25</u>		<u>VL021505.D</u>		<u>X</u>		<u>X</u>			
<p>Temperature (Fahrenheit)</p> <p>Ambient Maximum Minimum</p> <p>Start Stop</p> <p>Pressure (Inches of Hg)</p> <p>Ambient Maximum Minimum</p> <p>Start Stop</p> <p>Special Instructions/QC Requirements &amp; Comments :</p> <p>Suspected Contamination: High Medium Low</p> <p>Sampling site (State): <u>NY</u></p> <p>Quick Connector required : <u>NO</u></p> <p>Canisters Shipped by: <u>[Signature]</u> Date/Time: <u>1/7/14</u></p> <p>Canisters Received by: <u>[Signature]</u> Date/Time: <u>1/21/14 14:00</u></p> <p>Samples Relinquished by: <u>[Signature]</u> Date/Time: <u>1-31-14 4:55</u></p> <p>Relinquished by: <u>[Signature]</u> Date/Time: <u>1-31-14 4:55</u></p> <p>Received by: <u>[Signature]</u> Date/Time: <u>1-31-14 4:55</u></p> <p>PID Readings: <u>0 open</u></p> <p>** Submittal of this COC indicates approval of the analysis based on existing conditions</p> <p>Please follow the instructions on the back of this CO</p> <p>GC/MS Analyst Signature (TO-15) <u>[Signature]</u></p>																																	

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284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. :

F1310

Client Contact Information		Bottle Order ID : <b>B1401019</b>		Courier :		4 of 4 COCs																											
Client ID : <b>JRH001</b>		Project ID : <b>YUNAJ 14-01</b>		Sampler Name(s) : <i>Phil Hoffker</i>		Analysis Matrix																											
Customer Name : <b>J.R.Holzmacher P.E., LLC</b>		Project Manager : <b>Jim demartinis</b>		AIR ANALYSIS		Indoor/Ambinet Air																											
Address : <b>3555 Veterans Memorial Highway Suite A</b>		Phone Number : <b>631-234-2220</b>		CHAIN-OF-CUSTODY		Soil Gas																											
City : <b>Ronkonkoma</b>		Fax Number : <b>6312342221</b>		Batch Certified																													
State : <b>NY</b>		Site Details: <i>102-14116 Liberty Ave</i>																															
Zip Code : <b>11779</b>		Analysis Turnaround Time																															
Country : <b>USA</b>		Standard : <b>15 business days</b>		Data Package Type : <i>CATECON 5</i>																													
		Rush (Specify):		EDD Type :																													
		Days																															
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 Temp. (F) (Start)	Interior 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	Can Cert ID	TO-15																		
<i>V1-4</i>	<i>1/31/14</i>	<i>0830</i>	<i>1148</i>	<i>-24</i>	<i>0</i>	<i>17</i>	<i>24</i>	<i>-30</i>	<i>-1.0</i>	<i>10225</i>	<i>10297</i>	<i>6 L</i>	<i>25</i>	<i>VL021505.D</i>	<i>X</i>	<i>X</i>																	
<p>Temperature (Fahrenheit)</p> <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> <p>Pressure (Inches of Hg)</p> <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> <p>Start</p> <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> </table> <p>Stop</p> <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> </table>																Ambient	Maximum	Minimum				Ambient	Maximum	Minimum									
Ambient	Maximum	Minimum																															
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<p>GC/MS Analyst Signature (TO-15)</p> <p><i>[Signature]</i></p> <p>** Submittal of this COC indicates approval of the analysis based on existing conditions</p> <p>Please follow the instructions on the back of this CO</p>																																	
<p>Special Instructions/QC Requirements &amp; Comments :</p> <p>Suspected Contamination: High Medium Low</p> <p>Sampling site (State): <i>NY</i></p> <p>PID Readings: <i>0 ppm</i></p> <p>Quick Connector required: <i>NA</i></p> <p>Canisters Shipped by: <i>[Signature]</i> Date/Time: <i>1/31/14</i></p> <p>Canisters Received by: <i>[Signature]</i> Date/Time: <i>1/31/14</i></p> <p>Samples Relinquished by: <i>[Signature]</i> Date/Time: <i>1-31-14 1400</i></p> <p>Relinquished by: <i>[Signature]</i> Date/Time: <i>1-31-14 0535</i></p>																																	



284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

## Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148



**Appendix E**  
**Report Photos**

102-14/16 Liberty Avenue  
Ozone Park, New York 11417  
February 2014



Photo 1 – Subject Site.



Photo 2 – Suspected dry well.

*J. R. Holzmacher P.E., LLC*  
*Consulting Engineers*



Photo 3 – Drain pipe located in suspected dry well.



Photo 4 – Advancing soil boring B-1.



Photo 5 – Categorizing soils and taking PID readings from soil boring B-4.



Photo 6 – Installing soil vapor probe VP-1 in the area of the future cellar.

102-14/16 Liberty Avenue  
Ozone Park, New York 11417  
February 2014



Photo 7 – Completed soil vapor probe VP-2.



Photo 8 – Collecting soil vapor from VP-1.

*J. R. Holzmacher P.E., LLC*  
*Consulting Engineers*



Photo 9 – Installing monitoring well MW-2.



Photo 32 – Completing the installation of monitoring well MW-3.