# ONE FULTON SQUARE

**BLOCK 4973, LOTS 24 AND 37**

**39-16 PRINCE STREET**

**FLUSHING, NEW YORK**

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# Remedial Investigation Report

**NYC BCP Site Number: 11CBCP006Q**

**E-Designation Number: 10EH-N143Q**

**Prepared for:**

TOP 8 CONSTRUCTION

136-20 38th Avenue, 12th Floor

Flushing, New York 11354

**Prepared by:**

Roux Associates, Inc.

209 Shafter Street

Islandia, New York 11749

631-232-2600

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January 2011

# CERTIFICATION

I, Sin Senh, am a Qualified Environmental Professional, as defined in proposed RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the One Fulton Square Site, (NYC BCP Site No. 11CBCP006Q). 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 contain all available environmental information and data regarding the property.

| Sin Senh | January 13, 2011 | |
|---|---|---|
| Qualified Environmental Professional | Date | Signature |

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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 (DEC) Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation, May 2010 |
| 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 | Nonaqueous Phase Liquid |
| NYC BCP | New York City Brownfield Cleanup Program |
| NYC DOHMH | New York City Department of Health and Mental Hygiene |
| NYC OER | New York City Office of Environmental Remediation |
| NYS DOH ELAP | New York State Department of Health Environmental Laboratory Accreditation Program |
| OSHA | Occupational Safety and Health Administration |
| PID | Photoionization Detector |
| QEP | Qualified Environmental Professional |
| RI | Remedial Investigation |
| RIR | Remedial Investigation Report |
| SCO | Soil Cleanup Objective |
| SPEED | Searchable Property Environmental Electronic Database |

# FIGURES


| Figure # | Description |
|---|---|
| 1. | Site Location Map |
| 2. | Site Boundary and Surrounding Land Usage Map with Sensitive Receptors |
| 3. | Proposed Site Development (Rendering) |
| 4. | Areas of Concern identified by Historical Investigation |
| 5. | Geophysical Work Areas and Anomalies |
| 6. | Location of Soil Borings and Wells |
| 10. | Groundwater Level Contours and Flow Lines |
| 11. | Exceedence of Soil Cleanup Objectives |
| 12. | Exceedence of New York State Groundwater Standards |

# TABLES


| Table # | Description |
|---|---|
| 1. | Intentionally Left Blank |
| 2. | Intentionally Left Blank |
| 3. | Groundwater Level Data |
| 4. | Sample Collection Data for all media |
| 5. | Analytical Methods Summary for all media |
| 6. | Intentionally Left Blank |
| 7A - 7E. | Soil Analytical Data Summary |
| 8A - 8E. | Groundwater Analytical Data Summary (showing exceedence of New York State Groundwater Standards) |

# APPENDICES

| Appendix | Description |
|---|---|
| A. | Fire Insurance Maps |
| B. | Intentionally Left Blank |
| C. | Intentionally Left Blank |
| D. | Health and Safety Plan |
| E. | Intentionally Left Blank |
| F. | Intentionally Left Blank |
| G. | Soil Boring Geologic Logs |
| H. | Groundwater Sampling and Well Purging Logs |
| I. | Intentionally Left Blank |
| J. | Laboratory Data Deliverables for Soil Analytical Data |
| K. | Laboratory Data Deliverables for Groundwater Analytical Data |

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# 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 Description, Physical Setting and Site History**

The Site is located in Queens, New York City and is identified as Block 4973 and Lots 24 and 37 on the New York City Tax Map. The Site is 0.9-acres and is bounded by 39th Avenue to the north, Roosevelt Avenue and commercial properties to the south, Prince Street to the east, and commercial properties to the west. Currently, the Site is an asphalt paved parking lot with a small parking attendant booth at the entrance on 39$^{th}$ Avenue, and is surrounded by mixed commercial and residential areas. The planned redevelopment of the Site entails the construction of a mixed-use development that includes a nine story residential structure and a six story hotel structure atop a three-story commercial base with two levels of subterranean parking.

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

Historically, the Site contained an auto body repair shop that was located on the northeast corner of Lot 24, a garage located in the center of Lot 24, and a gasoline station on Lot 37. The AOCs identified during Phase I ESAs for this site include:

1. Presence of a former auto body repair shop on Lot 24.
2. A former gasoline filling station on Lot 37.

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

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 11 soil borings across the entire project Site, and collected 22 soil samples for chemical analysis from the soil borings to evaluate soil quality;

3. Installed 6 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 6 groundwater samples for chemical analysis to evaluate groundwater quality; and

4. Performed a geophysical survey of the site utilizing ground penetrating radar (GPR) and electromagnetic locator.

**Summary of the Hydrogeological Findings**

1. Elevation of the property ranges from 26 feet to 38 feet (relative to site datum).

2. Depth to groundwater ranges from 16 feet to 34 feet at the Site.

3. Groundwater flow is generally from east-southeast to west-southwest beneath the Site.

4. Depth to bedrock is greater than 100 feet at the Site.

5. The stratigraphy, from land surface to approximately 35 feet below land surface (ft bls), consists of 2 to 12 feet of historic fill underlain by a layer of brown to orangish brown, fine to coarse sand with little gravel extending to the water table. On the west side of the site there are also reddish brown silt and clay lenses ranging in thickness from 6 ft to 20 ft in thickness starting at a depth of 6 ft bls.

**Summary of the Environmental Contamination**

1. Soil/fill samples collected during the RI confirmed the presence of elevated concentrations of lead and barium on-Site in the shallow (0-2 ft bls) soil samples only. VOCs, SVOCs, PCBs and pesticides were not identified above Track 1 soil standards.

2. Groundwater samples collected during the RI confirmed the presence of elevated concentrations of metals on-Site. Dissolved metals in groundwater exhibit several minor metals above applicable groundwater standards including manganese and sodium and suggest possible impacts from road salting. Trace metals (arsenic, lead, cadmium, chromium, mercury etc.) were not detected in dissolved groundwater samples above applicable groundwater standards. Metals detected in unfiltered groundwater throughout the Sites at concentrations exceeding their respective 6NYCRR Part 703.5 groundwater quality standard and strongly indicate influence of sample turbidity.

Based on the results of this RI, we conclude that there is no evidence to suspect disposal of significant quantities of hazardous waste.

# REMEDIAL INVESTIGATION REPORT

## 1.0 INTRODUCTION AND PROJECT OBJECTIVES

### 1.1 PROJECT BACKGROUND

39 Prince Realty, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.9-acre site located at 133-42 39th Avenue in Queens, New York City. Mixed residential and commercial use is proposed for the property. This RIR summarizes the nature and extent of contamination. The RI work was performed between April 27 and May 11, 2010. The goal of this RIR is to provide 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 pursuant to RCNY§ 43-1407(f).

### 1.2 SITE LOCATION AND DESCRIPTION

The Site is located in Queens, New York City and is identified as Block 4973 and Lots 24 and 37 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 0.9-acres and is bounded by 39th Avenue to the north, Roosevelt Avenue and commercial properties to the south, Prince Street to the east, and commercial properties to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is an asphalt paved parking lot with a small parking attendant booth at the entrance on 39th Avenue.

Lot 24 is also identified as 39-16 Prince Street, and Lot 37 is also identified as 133-63 Roosevelt Avenue.

### 1.3 CONTEMPLATED REDEVELOPMENT PLAN

This RI was performed to compile and evaluate data and information necessary to develop a remedial action work plan in a manner that will render the Site protective of human health and the environment consistent with the contemplated future use. The contemplated future use of the Site is mixed use and will include nine story residential structure and a six story hotel structure atop a three-story commercial base with two levels of subterranean parking. Layout of the proposed site development is presented in Figure 3. The current zoning designation is commercial (C4-2). The proposed site use is consistent with existing zoning for the property.

## 1.4 DESCRIPTION OF SURROUNDING PROPERTY

The surrounding properties are a mix of commercial and residential use. There are no surface water bodies or regulated wetlands on or adjacent to the Site. The nearest surface water body is a channel associated with Flushing Bay located approximately 1/4-mile west of the Site.

**Sensitive Receptors**

Nearby sensitive environmental receptors that have been identified within a 500-foot radius of the site include:

- Kon Wah Day School located approximately 340 feet northeast of the site, and
- Residential areas including the NYCHA Bland Houses directly south of the site across Roosevelt Avenue.

Figure 2 shows the surrounding land usage with sensitive receptors indicated.

# 2.0 SITE HISTORY

## 2.1 PAST USES AND OWNERSHIP

Historically, the Site contained an auto body repair shop that was located on the northeast corner of Lot 24, a garage located in the center of Lot 24, and a gasoline station on Lot 37.

## 2.2 PREVIOUS INVESTIGATIONS

A Phase I ESA was performed at Lot 24 in 2005 by Environmental Compliance Services, Inc. (ECS). ECS concluded in their Phase I ESA report dated October 25, 2005 that no recognized environmental conditions (RECs) were identified with respect to the current use of the Site; however, historical RECs were identified due to a former auto body repair shop present at the Site and a nearby NYSDEC spill is listed for 39th Avenue and Prince Street. A second Phase I ESA was performed at Lot 24 by Fenley & Nicol Environmental, Inc. (F&N) in 2009. The F&N Phase I ESA report dated July 17, 2009 also concluded that the former auto body repair shop was a REC due the potential for hazardous materials associated with that type of establishment to have impacted the Site. According to the F&N Phase I ESA report, they had previously performed subsurface investigation on Lot 24 in 1999 and identified elevated concentrations of lead and silver is soil samples. Roux Associates has not been provided with the 1999 F&N subsurface investigation report.

A tank closure was performed at Lot 37 in late 2005 and early 2006 by Advanced Cleanup Technologies (ACT), Inc. The tank closure involved the removal of ten 550-gallon USTs that were contained in a four-foot thick concrete underground vault. Seven end point samples were collected from the sidewalls and bottom of the excavation (groundwater was not encountered in the excavation). The seven soil samples were analyzed for NYSDEC Spill Technology and Remediation Series (STARS) list VOCs using laboratory method 8021. Based on the ACT report, with the exception of trace concentrations of toluene in two samples, no VOCs were detected above SCOs.

As part of the property transaction, Roux Associates performed a Phase II ESA at the Lot 37 portion of the Site during May 2009. The scope of work included the installation of three soil borings to approximately 25 ft bls and the collection of one groundwater sample from an existing monitoring well. The Phase II ESA concluded that no VOCs or polychlorinated biphenyls (PCBs)

were detected above SCOs; however, some samples contained exceedances of SCOs for SVOCs and metals in the three soil samples. The Phase II ESA also concluded that the groundwater sample only contained exceedances of the NYSDEC AWQSGVs for metals.

## 2.3 SIGNIFICANT HISTORICAL ENVIRONMENTAL SITE FEATURES

A Site inspection was performed on April 27, 2010 to identify features of environmental significance that define Areas of Concern (AOC). Areas of Concern generally include areas where existing or former activities are known or suspected to have resulted in generation, manufacture, refinement, transport, storage, handling, treatment, discharge, release and/or disposal. Sanborn fire insurance maps available for this Site were reviewed to identify historical features of environmental significance. Fire insurance maps are presented in Appendix A. A composite map of AOCs has been developed from Site inspection(s), inspection of fire insurance maps and other sources, and is presented in Figure 4.

The AOCs identified for this site include:

1. Presence of a former auto body repair shop on Lot 24.
2. A former gasoline filling station on Lot 37.

## 2.4 INTERIM REMEDIAL MEASURES

No IRMs have been performed at the Site.

# 3.0 PROJECT ORGANIZATION AND MANAGEMENT

## 3.1 PROJECT ORGANIZATION

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is Sin Senh.

## 3.2 HEALTH AND SAFETY

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

## 3.3 COMMUNITY AIR MONITORING

There was no excavation work performed as part of this RIR, and no Community Air Monitoring Plan (CAMP) was developed.

## 3.4 INVESTIGATION DERIVED WASTE

Hazardous waste, concentrated solid or semi-solid substances, soils with free product or NAPL and/or grossly contaminated media were not generated during the investigation. All other material will be removed from the site and managed in accordance with applicable laws and regulations.

## 4.0 REMEDIAL INVESTIGATION ACTIVITIES AND OBSERVATIONS

39 Prince Realty, LLC undertook the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 11 soil borings across the entire project Site, and collected 22 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 6 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 6 groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Performed a geophysical survey of the site utilizing ground penetrating radar (GPR) and electromagnetic locator.

## 4.1 GEOPHYSICAL INVESTIGATION

Geophysical investigation performed during the RI included GPR equipped with a high frequency, high resolution transducer, and a Fischer TWE-6 electromagnetic pipe and cable locator, and took place on April 27, 2010. Figure 5 indicates the location of geophysical locations of interest and/or anomalies.

## 4.2 BORINGS AND MONITORING WELLS

### Drilling and Soil Logging

Boring logs were prepared by a geologist for all soil samples to document subsurface conditions. Boring logs include a description of the following: soil types and non-soil materials; soil screening results from field instrument measurements (i.e. photoionization detector, flame ionization detector); depth to groundwater; presence of soil mottling; presence of odor, vapors, soil discoloration; and presence of free and/or residual product. Boring logs with this information are attached in Appendix G. A map showing the location of soil borings and monitor wells is shown in Figure 6.

### Groundwater Monitoring Well Construction

Six groundwater monitoring wells were installed and establish the groundwater flow direction. Of these, two groundwater monitor wells are down-hydraulic-gradient and three up-hydraulic-gradient from the site.

### Surveying

All soil boring and monitor well locations were located and measured in the field. Elevation data is based on the survey map by Haynes Land Surveyors.

### Water Level Measurement

One round of static water levels was obtained to determine groundwater elevation and the groundwater flow direction; this data is included in Table 3. Groundwater head data were collected using a water level meter and measuring from the north side of the PVC well casing.

## 4.3 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

### Stratigraphy

The site is underlain by historic fill consisting of brown fine to coarse sand with gravel and little brick and construction debris. The average thickness of historic fill is four feet and ranges from 2 feet to 12 feet. Beneath the historic fill layer is a layer of brown to orangish brown, fine to coarse sand with little gravel in some areas. This layer extends to the water table. On the west side of the site there are also reddish brown silt and clay lenses ranging in thickness from 6 ft to 20 ft in thickness starting at a depth of 6 feet below land surface (ft bls).

### Bedrock Depth

The depth to bedrock is greater than 100 ft bls.

### <u>Hydrogeology</u>

A table of water level data for all monitor wells is included in Table 3. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 10. The average depth to groundwater is 25 ft bls and the range in depth is 16.68 ft bls to 34.02 ft bls. Groundwater flow is from east-southeast to west-northwest. The horizontal hydraulic gradient is estimated to be 0.028 feet per foot.

## 4.4 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all AOCs identified in this RIR and considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete 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**

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 4. Figure 6 shows the location of samples collected in this investigation.

Sampling equipment was decontaminated by using a water and detergent solution between soil boring locations.

Soil samples collected during all invasive investigation were screened by visual and olfactory means and using a calibrated PID. Results of soil screening are recorded on the soil boring logs.

**Groundwater Sampling**

Groundwater sampling of monitor wells was performed using a submersible pump to purge the wells and a bailer to sample. Groundwater sample collection data including dates of collection is reported in Table 4. Well sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix H. Figure 6 shows the location of samples collected in this investigation.

Sampling equipment was decontaminated by using a water and detergent solution to clean the pump between well locations. A new disposable bailer was used for sample collection at each well.

**Soil Vapor Sampling**

Under the proposed remedial and construction program, approximately 25 feet of soil will be removed from the entire footprint of the property, a vapor barrier will be placed under the entire building footprint and foundations sidewalls, and a two story ventilate parking garage will be built below grade. Groundwater did not show any evidence of VOCs. Since this program will fully address any potential sources of soil vapor onsite, will protect from any potential sources of soil vapor off site, and no groundwater sources of soil vapor were identified, soil vapor sampling was not performed.

**Chemical Analysis**

Chemical analytical work presented in this RIR has been performed under a quality assurance program that includes the following:

| **Factor** | **Description** |
|---|---|
| The project's scope and Project goals | To provide a remedial action that is protective of public health and the environment for the intended use of the property. |
| Project Direction | This project is directed by Sin Senh |
| Quality Assurance Officer | The chemical analytical quality assurance is directed by Wendy Shen |
| Site maps showing sample locations | A Site map showing the location of samples collected in this program are included in Figures 6 |
| Chemical Analytical Laboratory | Chemical analytical laboratory(s) used in the RI is NYS DOH ELAP certified and were Accutest Laboratories of Dayton, New Jersey |
| Chemical Analytical Methods | • Chemical Analytical Methods for all environmental sampling performed under this RI are for soil samples and groundwater samples:TAL Metals by EPA Method 6010B;<br>• VOCs by EPA Method 8260B;<br>• SVOCs by EPA Method 8270C;<br>• Pesticides by EPA Method 8081A; |

| | |
|---|---|
| | • PCBs by EPA Method 8082;<br>Table 5 includes the media type (soil, groundwater) and the following data for each media:<br>• number or frequency of samples collected;<br>• analytical methods used;<br>• the number and type of duplicate samples collected. |
| Quality Control/Quality Assurance | Sampling performed but no table created. |
| Standards, Criterion and Guidance | Soil samples were compared to NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives. Groundwater samples were compared to New York State groundwater standards (Ambient Water Quality Standards and Guidance Values). |

**Results of Chemical Analyses**

Laboratory data for soil and groundwater are summarized in Table 7A through 7E and 8A through 8E. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix J and K.

## 4.5 ENVIRONMENTAL EVALUATION

### 4.5.1 SOIL/FILL

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 7.

#### 4.5.1.1 COMPARISON OF SOIL/FILL WITH SCGS

Soil/fill samples collected during the RI did not detect and VOCs, SVOCs, PCBs, or Pesticides at concentrations above the NYSDEC Track 2 SCOs for Restricted Residential Use. Soil samples confirmed the presence of elevated concentrations of lead and barium on-Site in the shallow (0-2 ft bls) soil samples only. Lead exceedances were detected in the shallow samples SB-4, SB-9, and SB-10/MW-6 at concentrations of 1500 milligrams per kilogram (mg/kg), 550 mg/kg,

and 858 mg/kg, respectively. Barium and lead exceedances were detected in the shallow soil sample SB-6 at concentrations of 575 mg/kg and 1,230 mg/kg, respectively. Figure 11 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 for Restricted Residential Use.

### 4.5.2 GROUNDWATER

A summary table of data for chemical analyses performed on groundwater samples is included in Table 8. 6NYCRR Part 703.5 Class GA groundwater standards are shown.

#### 4.5.2.1 COMPARISON OF GROUNDWATER WITH SCGS

Groundwater samples collected during the RI not detect and VOCs, SVOCs, PCBs, or Pesticides at concentrations above the NYSDEC AWQSGVs. Groundwater samples collected during the RI confirmed the presence of elevated concentrations of metals on-Site. Dissolved metals in groundwater exhibit several minor metals above applicable groundwater standards including manganese and sodium and suggest possible impacts from road salting. Trace metals (arsenic, lead, cadmium, chromium, mercury etc.) were not detected in dissolved groundwater samples above applicable groundwater standards. Metals detected in unfiltered groundwater throughout the Sites at concentrations exceeding their respective 6NYCRR Part 703.5 groundwater quality standard and strongly indicate influence of sample turbidity.

Table 8 shows exceedances in monitoring wells from NYSDEC AWQSGVs 6NYCRR Part 703.5 Class GA groundwater standards in bold. The tables also show 6NYCRR Part 703.5 Class GA groundwater standards but do not provide a comparison to these values. Figure 12 shows the location and posts the values for groundwater that exceed the NYSDEC AWQSGVs .

### 4.5.3 SOIL VAPOR

Under the proposed remedial and construction program, approximately 25 feet of soil will be removed from the entire footprint of the property, a vapor barrier will be placed under the entire building footprint and foundations sidewalls, and a two story ventilate parking garage will be built below grade. Groundwater did not show any evidence of VOCs. Since this program will fully address any potential sources of soil vapor onsite, will protect from any potential sources of soil vapor off site, and no groundwater sources of soil vapor were identified, soil vapor sampling was not performed.

## 4.6 OTHER REPORTING

No photographs were taken during RI activities.

## 4.7 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, the presence of significant amounts of inactive hazardous waste disposal as defined in 6 NYCRR Part 375 is not suspected at this site.

## 4.8 IMPEDIMENTS TO REMEDIAL ACTION

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

# TABLE 3

## Groundwater Level Data

| Monitoring Well ID No. | Date | Water Elevation (Feet relative to site datum) |
|---|---|---|
| MW-1 | 5/11/2010 | 11.4 |
| MW-2 | 5/11/2010 | 9.6 |
| MW-3 | 5/11/2010 | 3.5 |
| MW-4 | 5/11/2010 | 3.5 |
| MW-5 | 5/11/2010 | 3.7 |
| MW-6 | 5/11/2010 | 9.8 |

# TABLE 4

## Sample Collection Data for All Media

| Sample ID | Date | Soil Sample Depth (feet below land surface) |
|---|---|---|
| MW-1 | 5/11/2010 | Not Applicable |
| MW-2 | 5/11/2010 | Not Applicable |
| MW-3 | 5/11/2010 | Not Applicable |
| MW-4 | 5/11/2010 | Not Applicable |
| MW-5 | 5/11/2010 | Not Applicable |
| MW-6 | 5/11/2010 | Not Applicable |
| SB-1/MW-1 | 4/28/2010 | 0-2, 24-26 |
| SB-2/MW-2 | 4/30/2010 | 0-2, 18-20 |
| SB-3/MW-3 | 4/29/2010 | 0-2, 28-30 |
| SB-4 | 4/28/2010 | 0-2, 8-10 |
| SB-5/MW-5 | 4/29/2010 | 0-2, 28-30 |
| SB-6 | 4/28/2010 | 0-2, 22-24 |
| SB-7/MW-4 | 4/29/2010 | 0-2, 25-27 |
| SB-8 | 4/29/2010 | 0-2, 20-22 |
| SB-9 | 4/30/2010 | 0-2, 16-18 |
| SB-10/MW-6 | 4/30/2010 | 0-2, 14-16 |
| SB-11 | 4/29/2010 | 0-2, 22-24 |

# TABLE 5

## Analytical Methods Summary Table

| matrix | number of samples | analytical parameters measured | Analytical methods used | number of duplicate samples | number of trip blank samples | number of field blank samples | MS/MSD |
|---|---|---|---|---|---|---|---|
| Soil | 22 | VOCs<br>SVOCs<br>Metals<br>Pesticides<br>PCBs | EPA Method 8260B<br>EPA Method 8270C<br>EPA Method 6010B<br>EPA Method 8081A<br>EPA Method 8082 | 0 | 3 | 1 | no |
| Groundwater | 6 | VOCs<br>SVOCs<br>Metals<br>Pesticides<br>PCBs | EPA Method 8260B<br>EPA Method 8270C<br>EPA Method 6010B<br>EPA Method 8081A<br>EPA Method 8082 | 1 | 1 | 1 | yes |

# TABLE 7

## Summary of Soil Analytical Data

- See attached tables 7A through 7E.

# TABLE 8

## Summary Table of Groundwater Analytical Data

See attached tables 8A through 8E

# APPENDIX A

## Fire Insurance (Sanborn) Maps & Aerial Photographs

# APPENDIX B

## Previous IRM Reports

# APPENDIX C

## Project Organization, Chart, Resumes and Contact Information for Key Personnel

# APPENDIX D

## Health and Safety Plan

# APPENDIX E

## Community Air Monitoring Plan

# APPENDIX F

## Geophysical Work Summary and Maps

# APPENDIX G

## Soil Boring, Test Pit and Geologic Logs

# APPENDIX H

## Groundwater Sampling Logs

**See field notes**

# APPENDIX I

## Soil Vapor Sampling Logs

# APPENDIX J

## Soil Analytical Data

# APPENDIX K

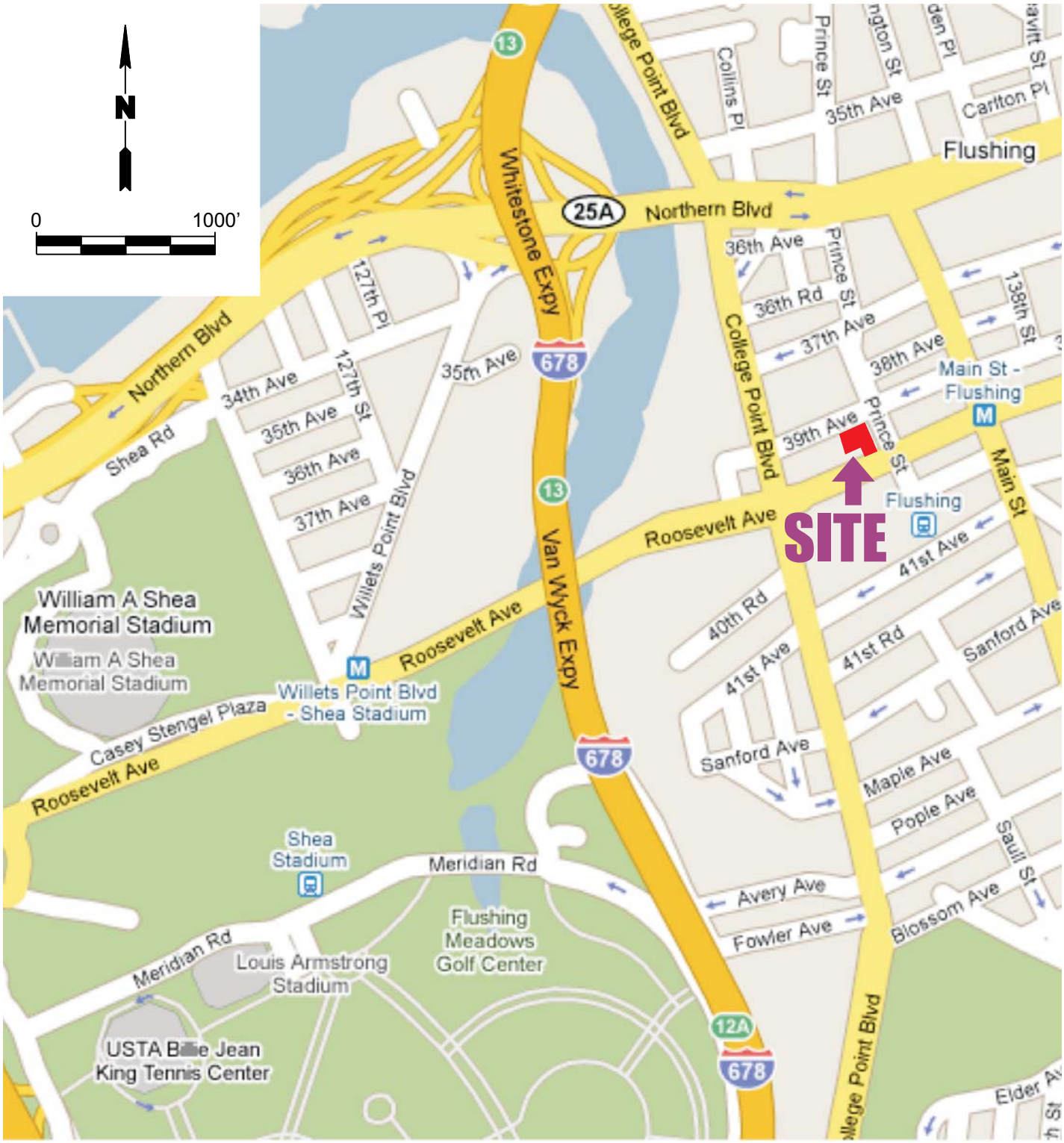
## Groundwater Analytical Data

# APPENDIX L

## Soil Vapor Analytical Data

# APPENDIX M

## Digital Photographs of Remedial Investigation



Title:

# SITE LOCATION MAP

ONE FULTON SQUARE
133-42 39TH AVENUE
FLUSHING, NEW YORK

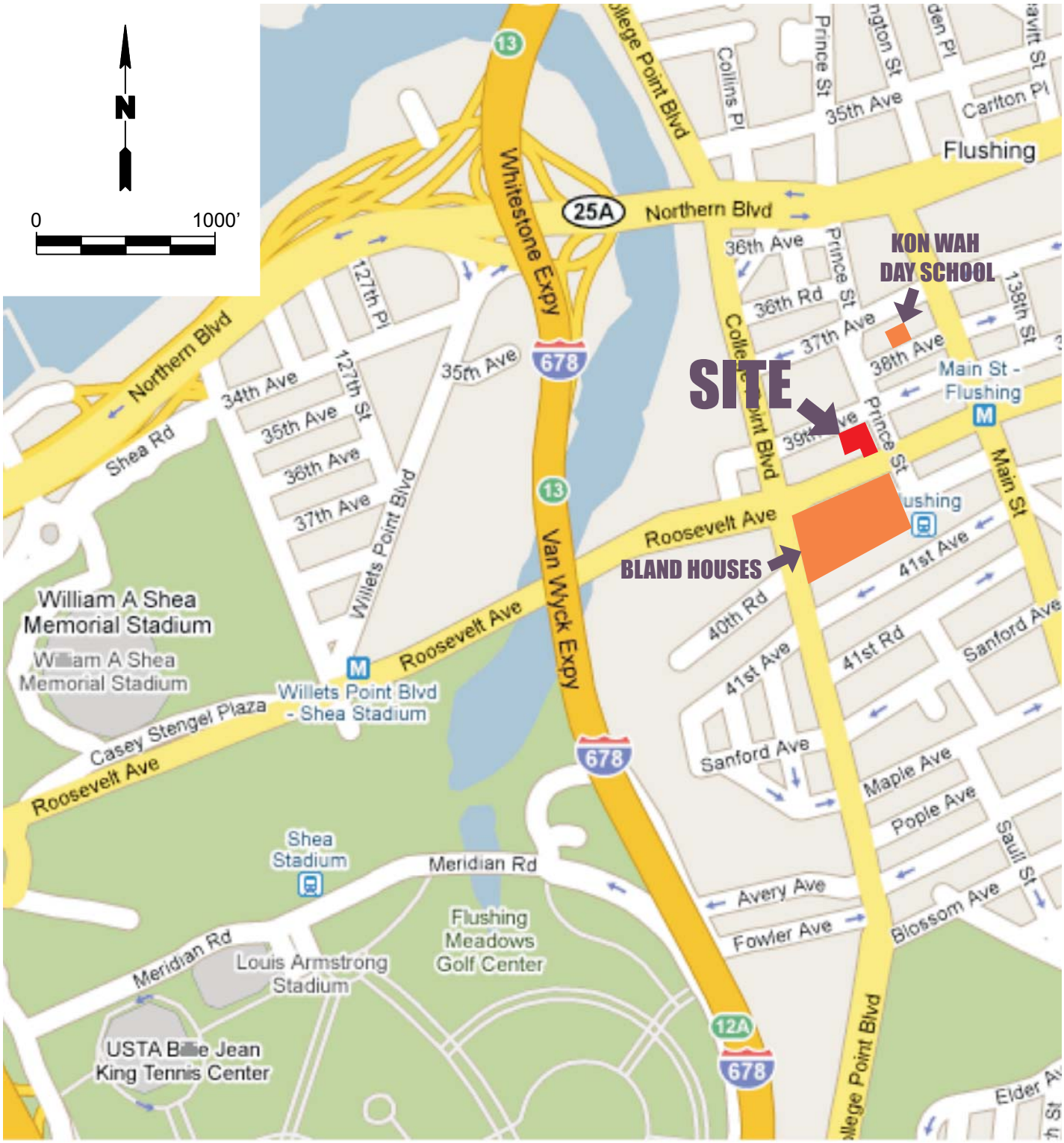
Prepared for:

TOP 8 CONSTRUCTION

ROUX
ROUX ASSOCIATES, INC.
*Environmental Consulting & Management*

| | | |
|---|---|---|
| Compiled by: WS | Date: 10JAN11 | FIGURE |
| Prepared by: BHC | Scale: AS SHOWN | 1 |
| Project Mgr.: JD | Project No.: 1633.0005Y000 | |
| File: 1633.0005Y110.01.CDR | | |

1633Y0005Y110\1633.0005Y110.01.CDR



Title:

# SITE BOUNDARY AND SURROUNDING LAND USAGE MAP WITH SENSITIVE RECEPTORS

ONE FULTON SQUARE
133-42 39TH AVENUE
FLUSHING, NEW YORK

Prepared for:

TOP 8 CONSTRUCTION

ROUX
ROUX ASSOCIATES, INC.
*Environmental Consulting & Management*

| | | |
|---|---|---|
| Compiled by: WS | Date: 13JAN11 | FIGURE |
| Prepared by: JAD | Scale: AS SHOWN | 2 |
| Project Mgr.: JD | Project No.: 1633.0005Y000 | |
| File: 1633.0005Y110.02.CDR | | |

1633Y0005Y1101\1633.0005Y110.02.CDR

Title:

# PROPOSED SITE DEVELOPMENT

ONE FULTON SQUARE
133-42 39TH AVENUE
FLUSHING, NEW YORK

Prepared for:

TOP 8 CONSTRUCTION

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ROUX ASSOCIATES, INC.
*Environmental Consulting & Management*

| | | |
|---|---|---|
| Compiled by: WS | Date: 11JAN11 | FIGURE |
| Prepared by: JAD | Scale: AS SHOWN | 3 |
| Project Mgr.: JD | Project No.: 1633.0005Y000 | |
| File: 1633.0005Y110.03.CDR | | |

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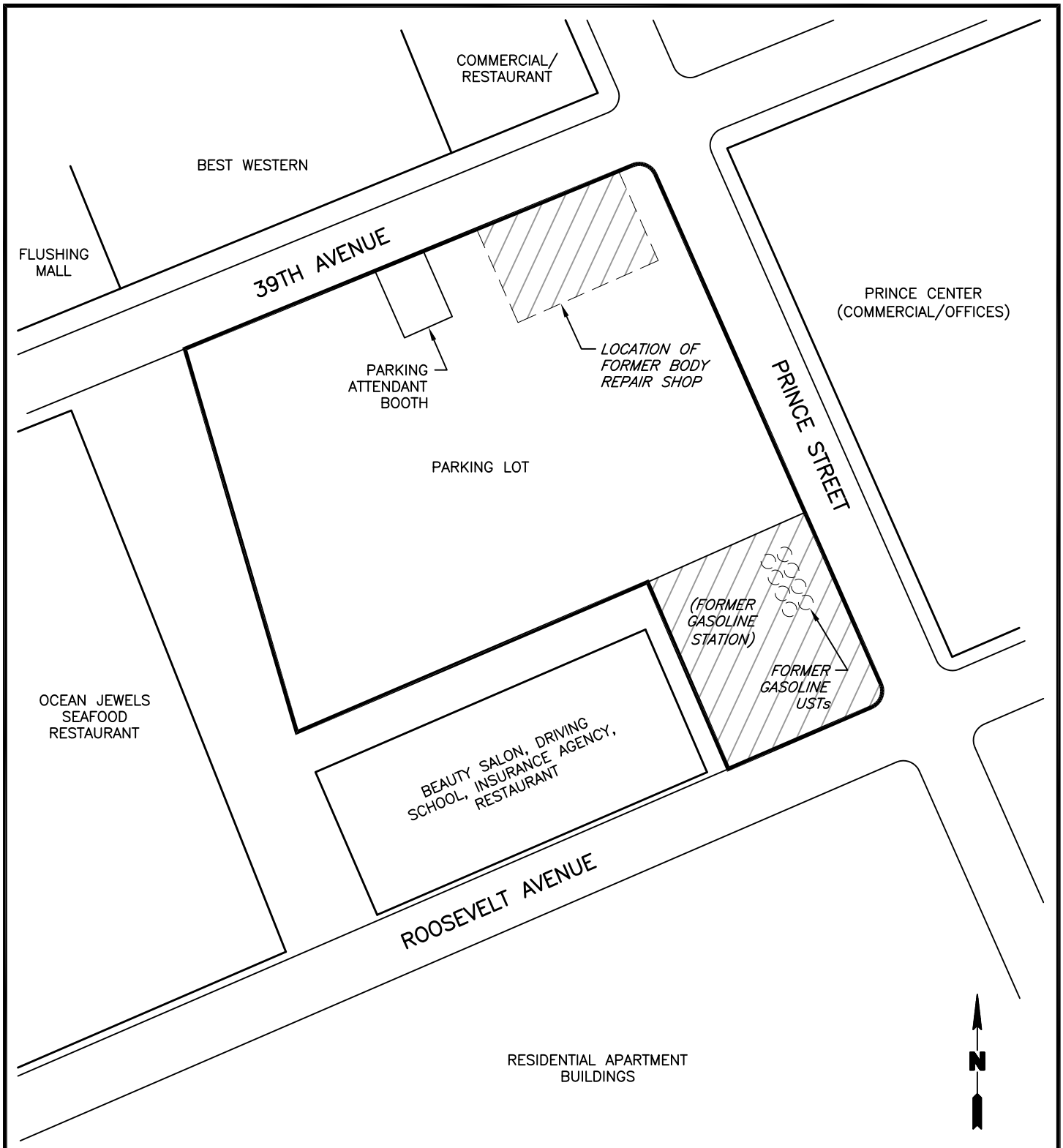


LEGEND

| | |
|---|---|
| ▬▬ | SITE BOUNDARY |
| UST | UNDERGROUND STORAGE TANKS |
| ▨ | AREA OF CONCERN |

Title:

# AREAS OF CONCERN IDENTIFIED BY HISTORICAL INVESTIGATION

ONE FULTON SQUARE
133–42, 39TH AVENUE
FLUSHING, NEW YORK

Prepared For:

TOP 8 CONSTRUCTION

ROUX
ROUX ASSOCIATES, INC.
*Environmental Consulting and Management*

| | | |
|---|---|---|
| Compiled by: J.T. | Date: 13JAN11 | FIGURE |
| Prepared by: J.A.D. | Scale: NOT TO SCALE | 4 |
| Project Mgr: W.S. | Project: 1633.0005Y000 | |
| File: 1633.0005Y110.04 | | |

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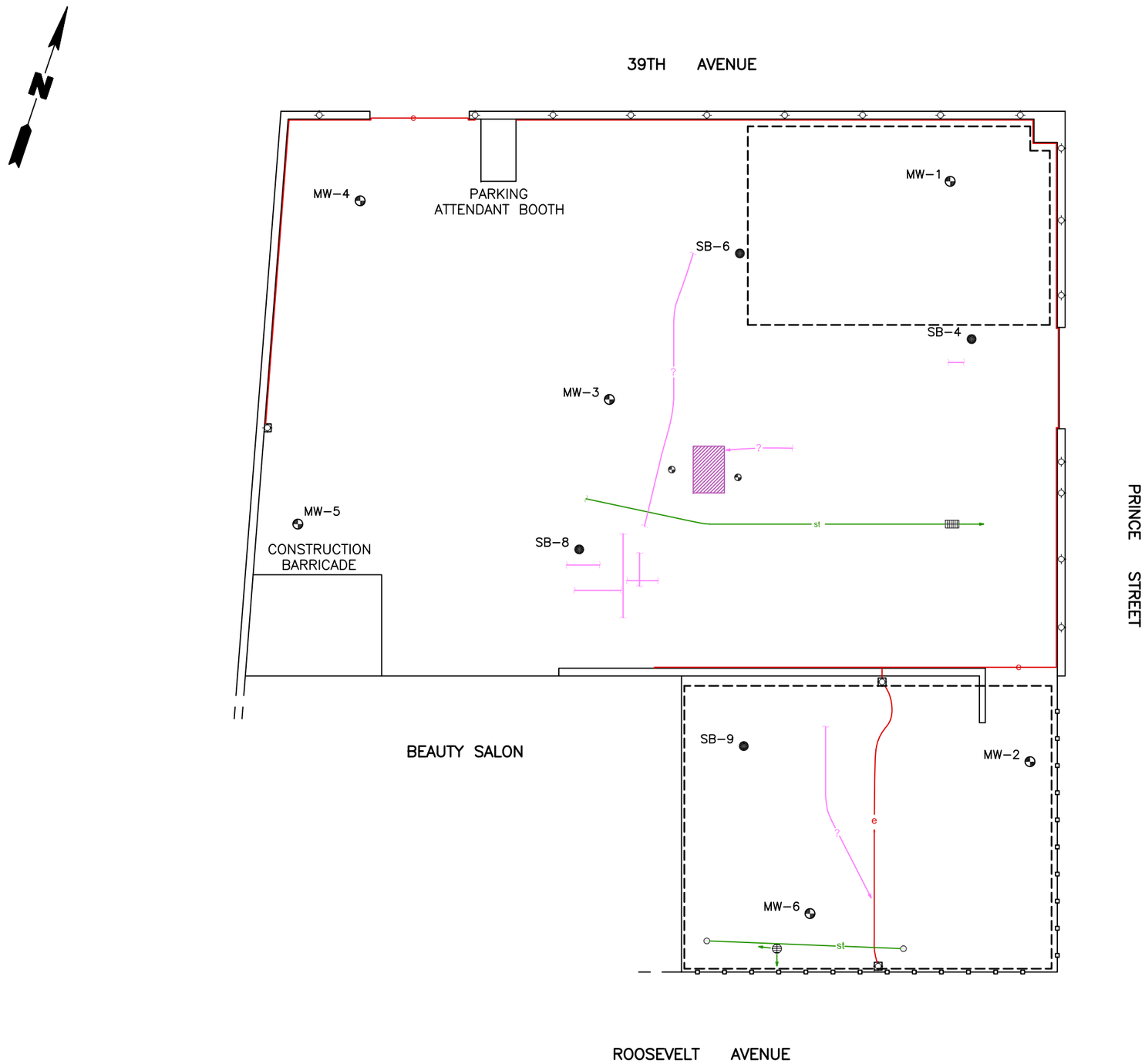


LEGEND

- e — ELECTRIC LINE
- st — STORM SEWER
- ? — SUSPECTED UTILITY
- METAL-DETECTOR ANOMALY
- CATCH BASIN
- CATCH BASIN
- MW-1 — PROPOSED EXPLORATORY BORING SITE
- SB-4 — LOCATION AND DESIGNATION OF SOIL BORING
- SEWER CLEANOUT
- PARKING LOT LAMP
- AREA OF UST INVESTIGATION

30' 0 30'

Title:

**GEOPHYSICAL WORK AREAS AND ANOMALIES**

ONE FULTON SQUARE
133-42 39TH AVENUE
FLUSHING, NEW YORK

Prepared For:

TOP 8 CONSTRUCTION

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*Environmental Consulting and Management*

| | | |
|---|---|---|
| Compiled by: J.T. | Date: 11JAN11 | FIGURE |
| Prepared by: J.A.D. | Scale: AS SHOWN | 5 |
| Project Mgr: W.S. | Project: 1633.0005Y000 | |
| File: 1633.0005Y110.05 | | |

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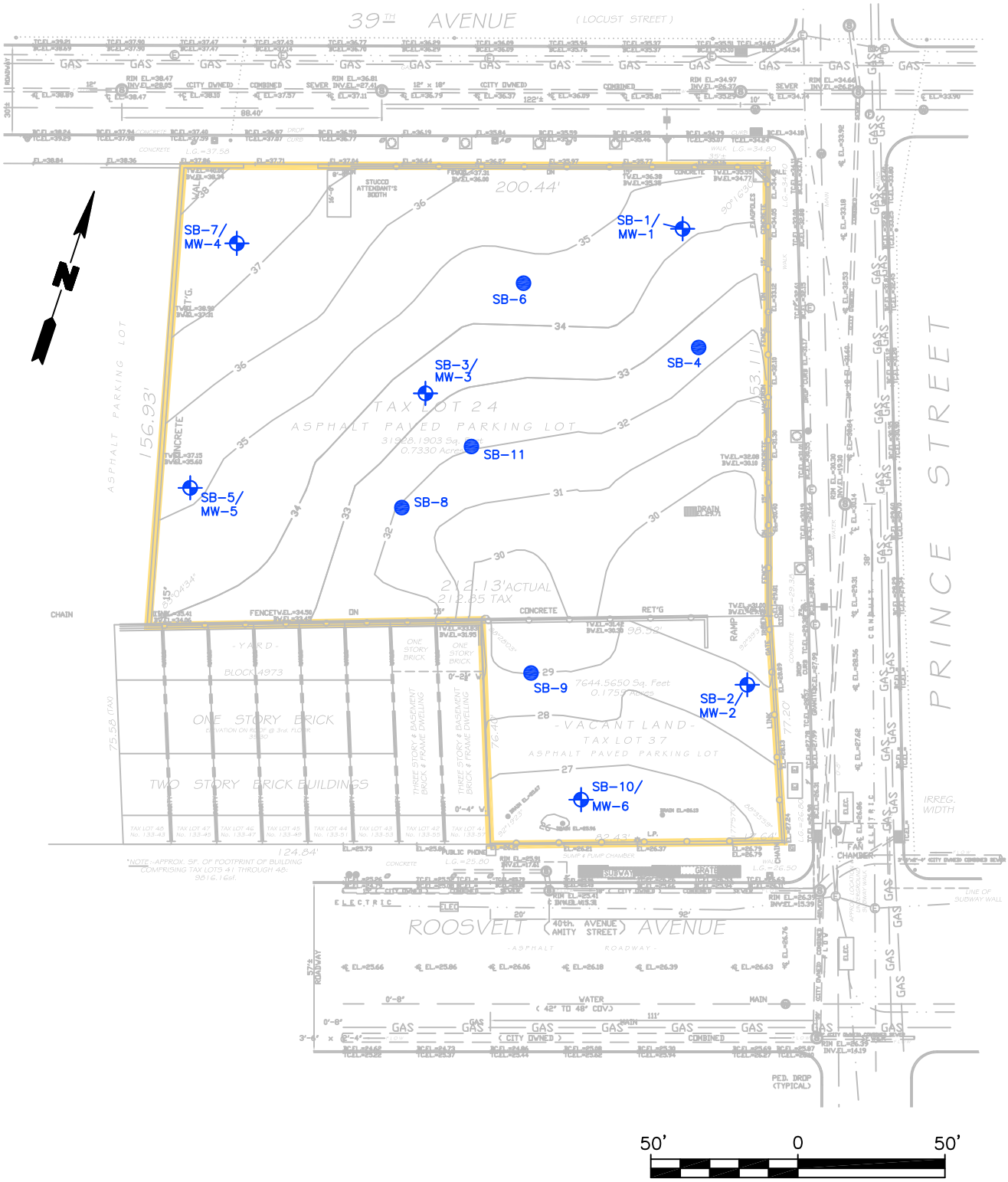


## LEGEND

- SOIL BORING/MONITORING WELL LOCATION
- SOIL BORING LOCATION
- MW DESIGNATION OF MONITORING WELL
- SB DESIGNATION OF SOIL BORING
- SITE BOUNDARY

Title:

# LOCATION OF SOIL BORINGS AND WELLS

ONE FULTON SQUARE
133-42 39TH AVENUE
FLUSHING, NEW YORK

Prepared For:

TOP 8 CONSTRUCTION

ROUX
ROUX ASSOCIATES, INC.
*Environmental Consulting and Management*

| | | |
|---|---|---|
| Compiled by: J.T. | Date: 10JAN11 | FIGURE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 6 |
| Project Mgr: W.S. | Project: 1633.0005Y000 | |
| File: 1633.0005Y110.06 | | |

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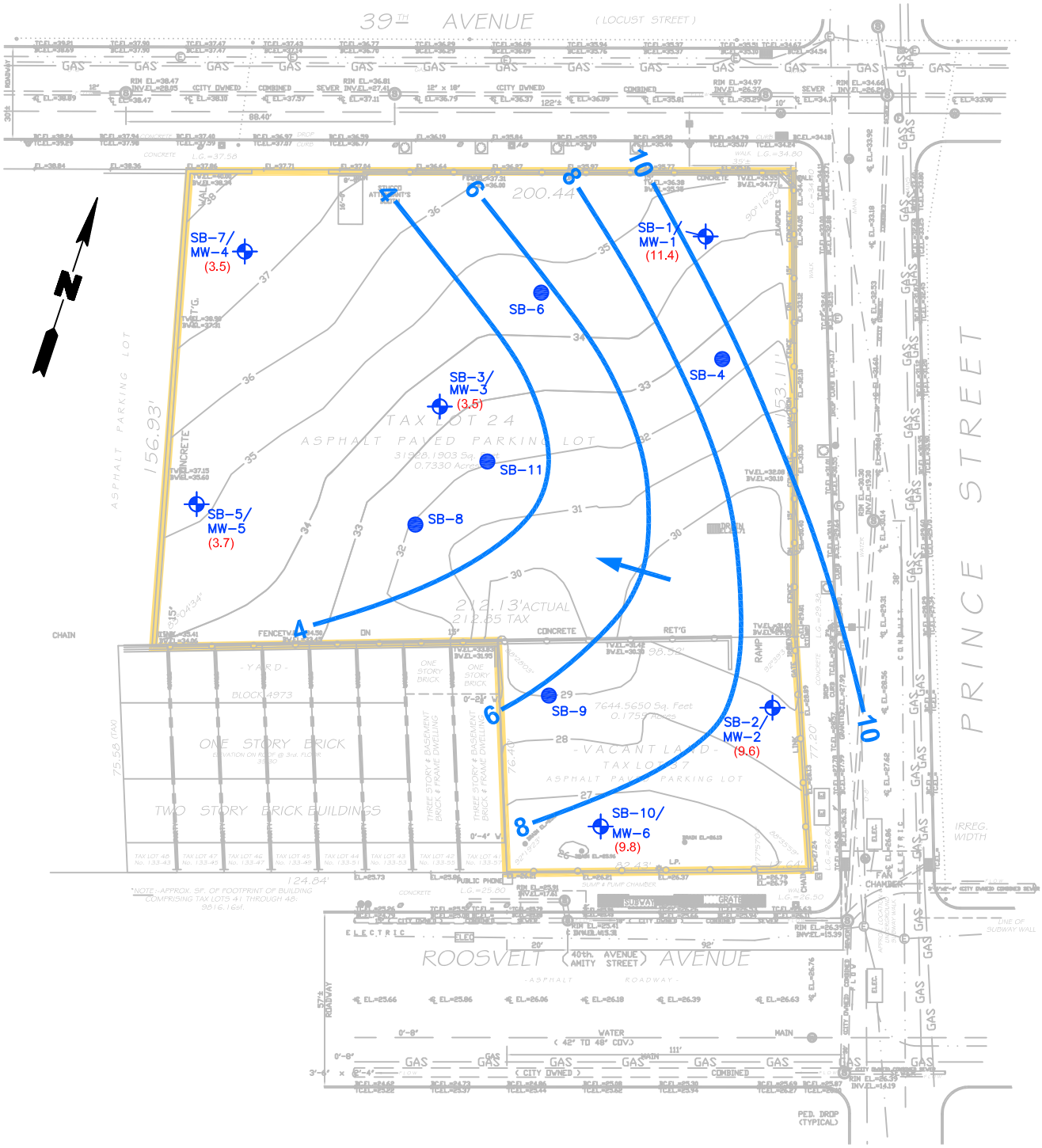


LEGEND

- SOIL BORING/MONITORING WELL LOCATION
- SOIL BORING LOCATION
- MW DESIGNATION OF MONITORING WELL
- SB DESIGNATION OF SOIL BORING
- SITE BOUNDARY
- (3.5) GROUNDWATER ELEVATION (FEET RELATIVE TO SITE DATUM)
- 4 LINE OF EQUAL GROUNDWATER ELEVATION (FEET RELATIVE TO SITE DATUM)
- INTERPRETED GROUNDWATER FLOW DIRECTION

50' 0 50'

Title:

# GROUNDWATER LEVEL CONTOURS AND FLOW LINES MAY 11, 2010

ONE FULTON SQUARE
133-42 39TH AVENUE
FLUSHING, NEW YORK

Prepared For:

TOP 8 CONSTRUCTION

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*Environmental Consulting and Management*

| | | |
|---|---|---|
| Compiled by: O.R. | Date: 10JAN11 | FIGURE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 10 |
| Project Mgr: W.S. | Project: 1633.0005Y000 | |
| File: 1633.0005Y110.06 | | |

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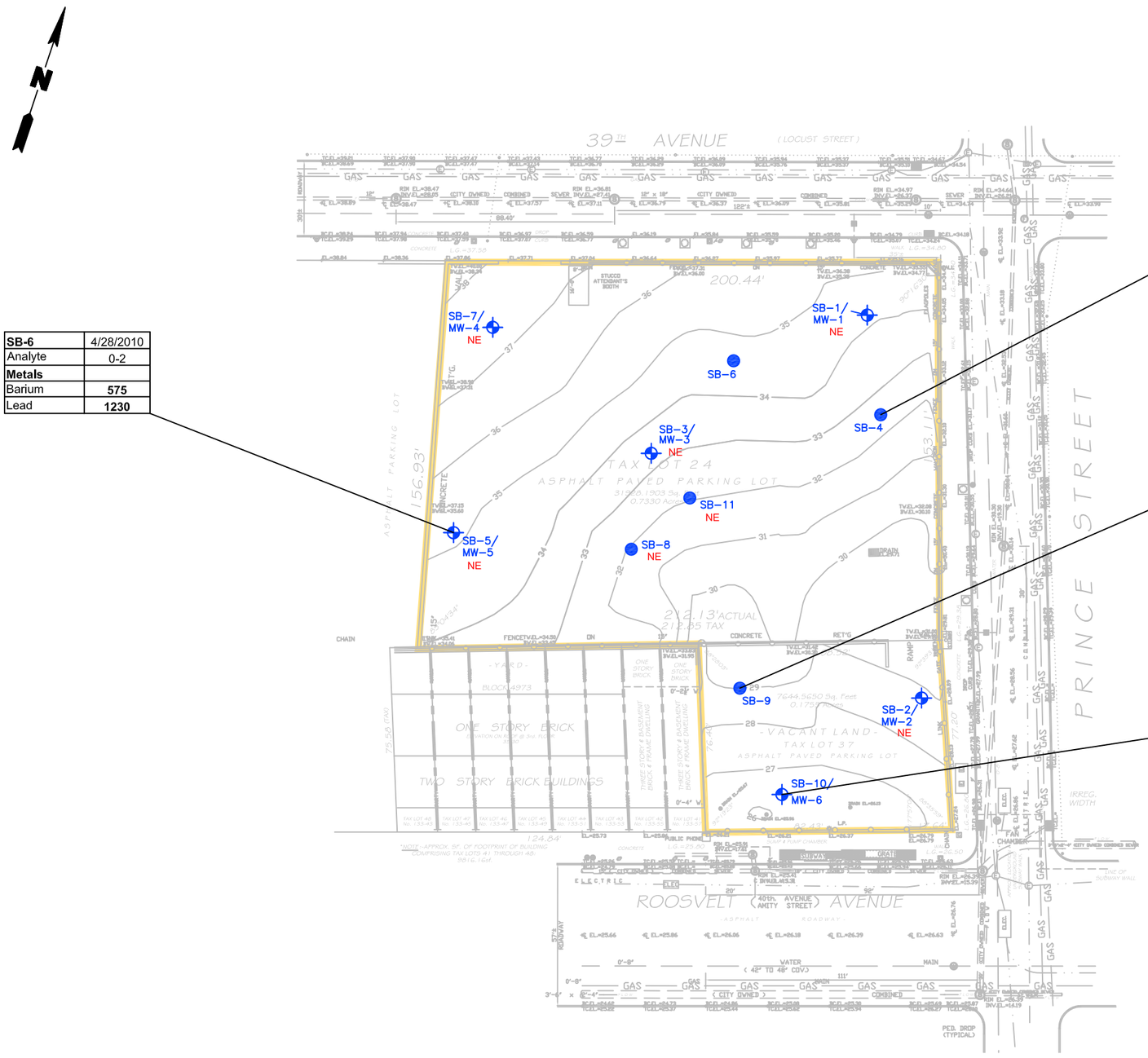


| SB-6 | 4/28/2010 |
|---|---|
| Analyte | 0-2 |
| **Metals** | |
| Barium | **575** |
| Lead | **1230** |

| SB-4 | 4/28/2010 |
|---|---|
| Analyte | 0-2 |
| **Metals** | |
| Lead | **1500** |

| SB-9 | 4/30/2010 |
|---|---|
| Analyte | 0-2 |
| **Metals** | |
| Lead | **550** |

| SB-10/MW-6 | 4/30/2010 |
|---|---|
| Analyte | 0-2 |
| **Metals** | |
| Lead | **858** |

LEGEND

- SOIL BORING/MONITORING WELL LOCATION
- SOIL BORING LOCATION
- MW DESIGNATION OF MONITORING WELL
- SB DESIGNATION OF SOIL BORING
- SITE BOUNDARY
- NE ALL ANALYTES NOT DETECTED ABOVE NYSDEC PART 375 RESTRICTED RESIDENTIAL STANDARDS

| Parameter (Concentrations in mg/kg) | NYSDEC Part 375 |
|---|---|
| **Metals** | |
| Barium | 400 |
| Lead | 400 |

NYSDEC - New York State Department of Environmental Conservation
Part 375 - Part 375 Restricted Residential Standards
mg/kg - Milligrams per kilogram
-- - Not detected above NYSDEC Part 375 Restricted Residential Standards

50' 0 50'

Title:

# EXCEEDANCE OF SOIL CLEANUP OBJECTIVES

ONE FULTON SQUARE
133-42 39TH AVENUE
FLUSHING, NEW YORK

Prepared For:

TOP 8 CONSTRUCTION

ROUX
ROUX ASSOCIATES, INC.
*Environmental Consulting and Management*

| | | |
|---|---|---|
| Compiled by: J.T. | Date: 11JAN11 | FIGURE |
| Prepared by: J.A.D. | Scale: AS SHOWN | 11 |
| Project Mgr: W.S. | Project: 1633.0005Y000 | |
| File: 1633.0005Y110.06 | | |

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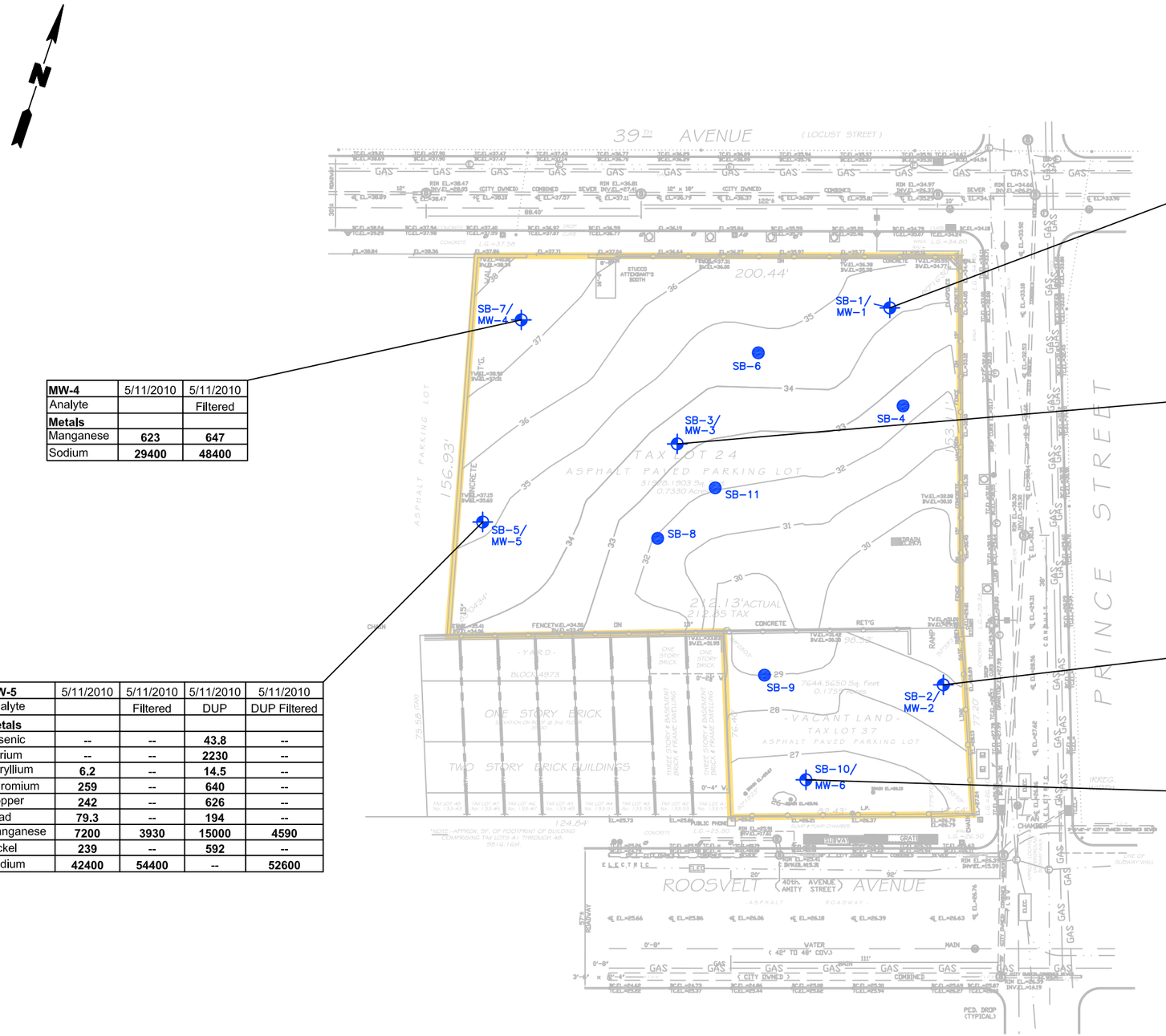


| MW-1 | 5/11/2010 | 5/11/2010 |
|---|---|---|
| Analyte | | Filtered |
| **Metals** | | |
| Chromium | **87.8** | -- |
| Manganese | **4010** | **3460** |
| Nickel | **102** | -- |
| Sodium | **218000** | **278000** |

| MW-3 | 5/11/2010 | 5/11/2010 |
|---|---|---|
| Analyte | | Filtered |
| **Metals** | | |
| Chromium | **84.5** | -- |
| Manganese | **2270** | **689** |
| Sodium | **64900** | **73900** |

| MW-2 | 5/11/2010 | 5/11/2010 |
|---|---|---|
| Analyte | | Filtered |
| **Metals** | | |
| Lead | **41.3** | -- |
| Manganese | **870** | **855** |
| Sodium | **37500** | **51900** |

| MW-6 | 5/11/2010 | 5/11/2010 |
|---|---|---|
| Analyte | | Filtered |
| **Metals** | | |
| Chromium | **165** | -- |
| Lead | **2380** | -- |
| Manganese | **1500** | **511** |
| Mercury | **1.3** | -- |
| Sodium | **105000** | **131000** |

| MW-4 | 5/11/2010 | 5/11/2010 |
|---|---|---|
| Analyte | | Filtered |
| **Metals** | | |
| Manganese | **623** | **647** |
| Sodium | **29400** | **48400** |

| MW-5 | 5/11/2010 | 5/11/2010 | 5/11/2010 | 5/11/2010 |
|---|---|---|---|---|
| Analyte | | Filtered | DUP | DUP Filtered |
| **Metals** | | | | |
| Arsenic | -- | -- | **43.8** | -- |
| Barium | -- | -- | **2230** | -- |
| Beryllium | **6.2** | -- | **14.5** | -- |
| Chromium | **259** | -- | **640** | -- |
| Copper | **242** | -- | **626** | -- |
| Lead | **79.3** | -- | **194** | -- |
| Manganese | **7200** | **3930** | **15000** | **4590** |
| Nickel | **239** | -- | **592** | -- |
| Sodium | **42400** | **54400** | -- | **52600** |

LEGEND

- SOIL BORING/MONITORING WELL LOCATION
- SOIL BORING LOCATION
- MW DESIGNATION OF MONITORING WELL
- SB DESIGNATION OF SOIL BORING
- SITE BOUNDARY

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs |
|---|---|
| **Metals** | |
| Arsenic | 25 |
| Barium | 1000 |
| Beryllium | 3 |
| Chromium | 50 |
| Copper | 200 |
| Lead | 25 |
| Manganese | 300 |
| Mercury | 0.7 |
| Nickel | 100 |
| Sodium | 20000 |

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
µg/L - Micrograms per liter
-- - Not detected above NYSDEC AWQSGV

50' 0 50'

Title:

# EXCEEDANCES OF NEW YORK STATE GROUNDWATER STANDARDS

ONE FULTON SQUARE
133-42 39TH AVENUE
FLUSHING, NEW YORK

Prepared For:

TOP 8 CONSTRUCTION

ROUX
ROUX ASSOCIATES, INC.
*Environmental Consulting and Management*

| | | |
|---|---|---|
| Compiled by: J.T. | Date: 11JAN11 | FIGURE |
| Prepared by: J.A.D. | Scale: AS SHOWN | |
| Project Mgr: W.S. | Project: 1633.0005Y000 | 12 |
| File: 1633.0005Y110.06 | | |

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# ~~TABLE 1~~

## ~~Fate and Offsite Management of Investigation Derived Waste~~

~~Use this table to summarize management of investigation derived waste classes, provide general estimates and explain fate. Media should include: soil/fill cuttings (grossly contaminated); soil/fill cutting (not grossly contaminated); extracted groundwater; general trash.~~

| ~~Media~~ | ~~Quantity~~ | ~~Disposal Facility~~ | ~~Location~~ |
|---|---|---|---|
| ~~Soil/Fill Cuttings~~ | | | |
| ~~Extracted Groundwater~~ | | | |
| ~~Add additional rows as appropriate for additional classes of IDW~~ | | | |

# ~~TABLE 2~~

## ~~Construction Details for Soil Borings and Monitoring Wells~~

~~Use this or a comparable table to summarize the construction details for soil borings and monitoring well installation.~~

| - | ~~ID No.~~ | ~~Date of construction~~ | ~~Total Depth~~ | ~~Diameter~~ | ~~Ground surface elevation~~ | ~~Screened interval (Elevation Range)~~ | ~~Construction (PVC, Steel, etc)~~ | ~~GPS Coordinates~~ |
|---|---|---|---|---|---|---|---|---|
| ~~Piezometer~~ | | | | | | | - | - |
| ~~Borings~~ | | | | | | | - | - |
| ~~Soil Boring~~ | | | | | | | | - |
| ~~Monitor Wells~~ | | | | | | | | |

# TABLE 3

## Groundwater Level Data

Use this or a comparable table to summarize groundwater elevation data.

| Monitoring Well ID No. | Date | Water Elevation (Feet relative to site datum) |
|---|---|---|
| MW-1 | 5/11/2010 | 11.4 |
| MW-2 | 5/11/2010 | 9.6 |
| MW-3 | 5/11/2010 | 3.5 |
| MW-4 | 5/11/2010 | 3.5 |
| MW-5 | 5/11/2010 | 3.7 |
| MW-6 | 5/11/2010 | 9.8 |

# TABLE 4

## Sample Collection Data for All Media

| Sample ID | Date | Soil Sample Depth (feet below land surface) |
|---|---|---|
| MW-1 | 5/11/2010 | Not Applicable |
| MW-2 | 5/11/2010 | Not Applicable |
| MW-3 | 5/11/2010 | Not Applicable |
| MW-4 | 5/11/2010 | Not Applicable |
| MW-5 | 5/11/2010 | Not Applicable |
| MW-6 | 5/11/2010 | Not Applicable |
| SB-1/MW-1 | 4/28/2010 | 0-2, 24-26 |
| SB-2/MW-2 | 4/30/2010 | 0-2, 18-20 |
| SB-3/MW-3 | 4/29/2010 | 0-2, 28-30 |
| SB-4 | 4/28/2010 | 0-2, 8-10 |
| SB-5/MW-5 | 4/29/2010 | 0-2, 28-30 |
| SB-6 | 4/28/2010 | 0-2, 22-24 |
| SB-7/MW-4 | 4/29/2010 | 0-2, 25-27 |
| SB-8 | 4/29/2010 | 0-2, 20-22 |
| SB-9 | 4/30/2010 | 0-2, 16-18 |
| SB-10/MW-6 | 4/30/2010 | 0-2, 14-16 |
| SB-11 | 4/29/2010 | 0-2, 22-24 |

# TABLE 5

## Analytical Methods Summary Table

| matrix | number of samples | analytical parameters measured | analytical methods used | number of duplicate samples | number of trip blank samples | number of field blank samples | MS/MSD |
|---|---|---|---|---|---|---|---|
| Soil | 22 | VOCs<br>SVOCs<br>Metals<br>Pesticides<br>PCBs | EPA Method 8260B<br>EPA Method 8270C<br>EPA Method 6010B<br>EPA Method 8081A<br>EPA Method 8082 | 0 | 3 | 1 | no |
| Groundwater | 6 | VOCs<br>SVOCs<br>Metals<br>Pesticides<br>PCBs- | EPA Method 8260B<br>EPA Method 8270C<br>EPA Method 6010B<br>EPA Method 8081A<br>EPA Method 8082 | 1 | 1 | 1 | yes |

# ~~TABLE 6~~

## ~~Chemical Analytical Quality Assurance/Quality Control Summary~~

# TABLE 7

## Summary of Soil Analytical Data

| ~~Analyte~~ | ~~Track 1 Part 375-6.8~~ | ~~Track 2 Residential Part 375-6.8~~ | ~~Sample ID Sample Date~~ | ~~Sample ID Sample Date~~ | ~~Sample ID Sample Date~~ | ~~Sample ID Sample Date~~ | ~~Sample ID Sample Date~~ |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

~~Bold Results that exceed Track 1 SCOs~~

- See attached tables 7A through 7E.

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-1/MW-1 | SB-1/MW-1 | SB-2/MW-2 | SB-2/MW-2 | SB-3/MW-3 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 24-26 | 0-2 | 18-20 | 0-2 |
| 1,1,1-Trichloroethane | 100000 | 680 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,1,2-Trichloroethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,1-Dichloroethane | 26000 | 270 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,1-Dichloroethene | 100000 | 330 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,2,3-Trichlorobenzene | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,2,4-Trichlorobenzene | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,2-Dibromo-3-chloropropane | -- | -- | | 13 U | 13 U | 13 U | 13 U | 12 U |
| 1,2-Dibromoethane | -- | -- | | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.2 U |
| 1,2-Dichlorobenzene | 100000 | 1100 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,2-Dichloroethane | 3100 | 20 | | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.2 U |
| 1,2-Dichloropropane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,3-Dichlorobenzene | 49000 | 2400 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,4-Dichlorobenzene | 13000 | 1800 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 1,4-Dioxane | 13000 | 100 | | 160 U | 160 U | 170 U | 160 U | 150 U |
| 2-Butanone (MEK) | 100000 | 120 | | 13 U | 13 U | 13 U | 13 U | 12 U |
| 2-Hexanone | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| 4-Methyl-2-pentanone (MIBK) | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Acetone | 100000 | 50 | | 13 U | 13 U | 13 U | 13 U | 12 U |
| Benzene | 4800 | 60 | | 0.88 J | 1.3 U | 1.3 U | 1.3 U | 1.2 U |
| Bromochloromethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Bromodichloromethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Bromoform | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Bromomethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Carbon disulfide | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Carbon tetrachloride | 2400 | 760 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Chlorobenzene | 100000 | 1100 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Chloroethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Chloroform | 49000 | 370 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Chloromethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| cis-1,2-Dichloroethene | 100000 | 250 | | 0.73 J | 6.5 U | 6.6 U | 6.4 U | 6.2 U |

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-1/MW-1 | SB-1/MW-1 | SB-2/MW-2 | SB-2/MW-2 | SB-3/MW-3 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 24-26 | 0-2 | 18-20 | 0-2 |
| cis-1,3-Dichloropropene | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Cyclohexane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Dibromochloromethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Dichlorodifluoromethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Ethylbenzene | 41000 | 1000 | | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.2 U |
| Isopropylbenzene | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| m+p-Xylene | -- | -- | | 0.74 J | 2.6 U | 2.6 U | 2.6 U | 2.5 U |
| Methyl acetate | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 13.4 | 6.2 U |
| Methylcyclohexane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Methylene chloride | 100000 | 50 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| MTBE | 100000 | 930 | | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.2 U |
| o-Xylene | -- | -- | | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.2 U |
| Styrene | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Tetrachloroethene | 19000 | 1300 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Toluene | 100000 | 700 | | 1.1 J | 1.3 U | 1.3 U | 1.3 U | 1.2 U |
| trans-1,2-Dichloroethene | 100000 | 190 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| trans-1,3-Dichloropropene | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Trichloroethene | 21000 | 470 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Trichlorofluoromethane | -- | -- | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Vinyl chloride | 900 | 20 | | 6.3 U | 6.5 U | 6.6 U | 6.4 U | 6.2 U |
| Xylenes (total) | 100000 | 260 | | 0.95 J | 2.6 U | 2.6 U | 2.6 U | 2.5 U |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-3/MW-3 | SB-4 | SB-4 | SB-5/MW-5 | SB-5/MW-5 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 28-30 | 0-2 | 8-10 | 0-2 | 28-30 |
| 1,1,1-Trichloroethane | 100000 | 680 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,1,2-Trichloroethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,1-Dichloroethane | 26000 | 270 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,1-Dichloroethene | 100000 | 330 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,2,3-Trichlorobenzene | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,2,4-Trichlorobenzene | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,2-Dibromo-3-chloropropane | -- | -- | | 12 U | 13 U | 10 U | 13 U | 12 U |
| 1,2-Dibromoethane | -- | -- | | 1.2 U | 1.3 U | 1 U | 1.3 U | 1.2 U |
| 1,2-Dichlorobenzene | 100000 | 1100 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,2-Dichloroethane | 3100 | 20 | | 1.2 U | 1.3 U | 1 U | 1.3 U | 1.2 U |
| 1,2-Dichloropropane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,3-Dichlorobenzene | 49000 | 2400 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,4-Dichlorobenzene | 13000 | 1800 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 1,4-Dioxane | 13000 | 100 | | 150 U | 170 U | 130 U | 170 U | 150 U |
| 2-Butanone (MEK) | 100000 | 120 | | 12 U | 13 U | 10 U | 13 U | 12 U |
| 2-Hexanone | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| 4-Methyl-2-pentanone (MIBK) | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Acetone | 100000 | 50 | | 12 U | 13 U | 10 U | 13 U | 12 U |
| Benzene | 4800 | 60 | | 1.2 U | 1.3 U | 1 U | 1.3 U | 1.2 U |
| Bromochloromethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Bromodichloromethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Bromoform | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Bromomethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Carbon disulfide | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Carbon tetrachloride | 2400 | 760 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Chlorobenzene | 100000 | 1100 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Chloroethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Chloroform | 49000 | 370 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Chloromethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| cis-1,2-Dichloroethene | 100000 | 250 | | 6 U | 6.7 U | 5.2 U | 0.36 J | 6 U |

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-3/MW-3 | SB-4 | SB-4 | SB-5/MW-5 | SB-5/MW-5 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 28-30 | 0-2 | 8-10 | 0-2 | 28-30 |
| cis-1,3-Dichloropropene | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Cyclohexane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Dibromochloromethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Dichlorodifluoromethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Ethylbenzene | 41000 | 1000 | | 1.2 U | 1.3 U | 1 U | 0.92 J | 1.2 U |
| Isopropylbenzene | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| m+p-Xylene | -- | -- | | 1.3 J | 2.7 U | 2.1 U | 3.5 | 0.94 J |
| Methyl acetate | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Methylcyclohexane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Methylene chloride | 100000 | 50 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| MTBE | 100000 | 930 | | 1.2 U | 1.3 U | 1 U | 1.3 U | 1.2 U |
| o-Xylene | -- | -- | | 1.2 U | 1.3 U | 1 U | 0.97 J | 1.2 U |
| Styrene | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Tetrachloroethene | 19000 | 1300 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Toluene | 100000 | 700 | | 0.74 J | 0.83 J | 1 U | 1.1 J | 0.65 J |
| trans-1,2-Dichloroethene | 100000 | 190 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| trans-1,3-Dichloropropene | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Trichloroethene | 21000 | 470 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Trichlorofluoromethane | -- | -- | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Vinyl chloride | 900 | 20 | | 6 U | 6.7 U | 5.2 U | 6.6 U | 6 U |
| Xylenes (total) | 100000 | 260 | | 1.6 J | 2.7 U | 2.1 U | 4.5 | 1.2 J |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-6 | SB-6 | SB-7/MW-4 | SB-7/MW-4 | SB-8 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 22-24 | 0-2 | 25-27 | 0-2 |
| 1,1,1-Trichloroethane | 100000 | 680 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,1,2-Trichloroethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,1-Dichloroethane | 26000 | 270 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,1-Dichloroethene | 100000 | 330 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,2,3-Trichlorobenzene | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,2,4-Trichlorobenzene | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,2-Dibromo-3-chloropropane | -- | -- | | 13 U | 12 U | 13 U | 14 U | 14 U |
| 1,2-Dibromoethane | -- | -- | | 1.3 U | 1.2 U | 1.3 U | 1.4 U | 1.4 U |
| 1,2-Dichlorobenzene | 100000 | 1100 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,2-Dichloroethane | 3100 | 20 | | 1.3 U | 1.2 U | 1.3 U | 1.4 U | 1.4 U |
| 1,2-Dichloropropane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,3-Dichlorobenzene | 49000 | 2400 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,4-Dichlorobenzene | 13000 | 1800 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 1,4-Dioxane | 13000 | 100 | | 160 U | 150 U | 160 U | 180 U | 180 U |
| 2-Butanone (MEK) | 100000 | 120 | | 13 U | 12 U | 13 U | 14 U | 14 U |
| 2-Hexanone | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| 4-Methyl-2-pentanone (MIBK) | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Acetone | 100000 | 50 | | 13 U | 12 U | 13 U | 14 U | 14 U |
| Benzene | 4800 | 60 | | 2.4 | 1.2 U | 1.3 U | 1.4 U | 1.4 U |
| Bromochloromethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Bromodichloromethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Bromoform | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Bromomethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Carbon disulfide | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Carbon tetrachloride | 2400 | 760 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Chlorobenzene | 100000 | 1100 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Chloroethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Chloroform | 49000 | 370 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Chloromethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| cis-1,2-Dichloroethene | 100000 | 250 | | 1.7 J | 6.2 U | 6.3 U | 7.1 U | 1 J |

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-6 | SB-6 | SB-7/MW-4 | SB-7/MW-4 | SB-8 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 22-24 | 0-2 | 25-27 | 0-2 |
| cis-1,3-Dichloropropene | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Cyclohexane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Dibromochloromethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Dichlorodifluoromethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Ethylbenzene | 41000 | 1000 | | 1.3 U | 1.2 U | 0.66 J | 1.4 U | 0.97 J |
| Isopropylbenzene | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| m+p-Xylene | -- | -- | | 2.5 U | 2.5 U | 2 J | 0.81 J | 2.8 U |
| Methyl acetate | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Methylcyclohexane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Methylene chloride | 100000 | 50 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| MTBE | 100000 | 930 | | 1.3 U | 1.2 U | 1.3 U | 1.4 U | 1.4 U |
| o-Xylene | -- | -- | | 1.3 U | 1.2 U | 0.59 J | 1.4 U | 0.8 J |
| Styrene | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Tetrachloroethene | 19000 | 1300 | | 0.5 J | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Toluene | 100000 | 700 | | 1.6 | 1.2 U | 1.7 | 0.84 J | 1.7 |
| trans-1,2-Dichloroethene | 100000 | 190 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| trans-1,3-Dichloropropene | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Trichloroethene | 21000 | 470 | | 4.3 J | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Trichlorofluoromethane | -- | -- | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Vinyl chloride | 900 | 20 | | 6.4 U | 6.2 U | 6.3 U | 7.1 U | 7 U |
| Xylenes (total) | 100000 | 260 | | 2.5 U | 2.5 U | 2.6 | 0.81 J | 1.2 J |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-8 | SB-9 | SB-9 | SB-10/MW-6 | SB-10/MW-6 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/30/2010 | 4/30/2010 | 4/30/2010 | 4/30/2010 |
| | | | **Sample Depth (ft bls):** | 20-22 | 0-2 | 16-18 | 0-2 | 14-16 |
| 1,1,1-Trichloroethane | 100000 | 680 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,1,2-Trichloroethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,1-Dichloroethane | 26000 | 270 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,1-Dichloroethene | 100000 | 330 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,2,3-Trichlorobenzene | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,2,4-Trichlorobenzene | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,2-Dibromo-3-chloropropane | -- | -- | | 13 U | 12 U | 10 U | 12 U | 13 U |
| 1,2-Dibromoethane | -- | -- | | 1.3 U | 1.2 U | 1 U | 1.2 U | 1.3 U |
| 1,2-Dichlorobenzene | 100000 | 1100 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,2-Dichloroethane | 3100 | 20 | | 1.3 U | 1.2 U | 1 U | 1.2 U | 1.3 U |
| 1,2-Dichloropropane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,3-Dichlorobenzene | 49000 | 2400 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,4-Dichlorobenzene | 13000 | 1800 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 1,4-Dioxane | 13000 | 100 | | 160 U | 150 U | 130 U | 150 U | 160 U |
| 2-Butanone (MEK) | 100000 | 120 | | 13 U | 12 U | 10 U | 12 U | 13 U |
| 2-Hexanone | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| 4-Methyl-2-pentanone (MIBK) | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Acetone | 100000 | 50 | | 13 U | 108 | 10 U | 12 U | 13 U |
| Benzene | 4800 | 60 | | 1.3 U | 1.6 | 1 U | 1.5 | 1.3 U |
| Bromochloromethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Bromodichloromethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Bromoform | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Bromomethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Carbon disulfide | -- | -- | | 6.5 U | 1.2 J | 5.2 U | 6.1 U | 6.6 U |
| Carbon tetrachloride | 2400 | 760 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Chlorobenzene | 100000 | 1100 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Chloroethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Chloroform | 49000 | 370 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Chloromethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| cis-1,2-Dichloroethene | 100000 | 250 | | 6.5 U | 1.1 J | 5.2 U | 0.78 J | 6.6 U |

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-8 | SB-9 | SB-9 | SB-10/MW-6 | SB-10/MW-6 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/30/2010 | 4/30/2010 | 4/30/2010 | 4/30/2010 |
| | | | **Sample Depth (ft bls):** | 20-22 | 0-2 | 16-18 | 0-2 | 14-16 |
| cis-1,3-Dichloropropene | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Cyclohexane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Dibromochloromethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Dichlorodifluoromethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Ethylbenzene | 41000 | 1000 | | 1.3 U | 1 J | 1 U | 1.2 U | 1.3 U |
| Isopropylbenzene | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| m+p-Xylene | -- | -- | | 1.3 J | 2.4 | 2.1 U | 1.5 J | 2.6 U |
| Methyl acetate | -- | -- | | 6.5 U | 69.3 | 5.2 U | 7.8 | 6.6 U |
| Methylcyclohexane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Methylene chloride | 100000 | 50 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| MTBE | 100000 | 930 | | 1.3 U | 1.2 U | 1 U | 1.2 U | 1.3 U |
| o-Xylene | -- | -- | | 1.3 U | 1.4 | 1 U | 1.2 U | 1.3 U |
| Styrene | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Tetrachloroethene | 19000 | 1300 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Toluene | 100000 | 700 | | 1.4 | 2.7 | 1 U | 2.4 | 0.52 J |
| trans-1,2-Dichloroethene | 100000 | 190 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| trans-1,3-Dichloropropene | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Trichloroethene | 21000 | 470 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Trichlorofluoromethane | -- | -- | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Vinyl chloride | 900 | 20 | | 6.5 U | 6 U | 5.2 U | 6.1 U | 6.6 U |
| Xylenes (total) | 100000 | 260 | | 1.7 J | 3.9 | 2.1 U | 1.5 J | 2.6 U |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** **Sample Date:** **Sample Depth (ft bls):** | SB-11 4/29/2010 0-2 | SB-11 4/29/2010 22-24 |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 100000 | 680 | | 6.8 U | 6.8 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | | 6.8 U | 6.8 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | -- | -- | | 6.8 U | 6.8 U |
| 1,1,2-Trichloroethane | -- | -- | | 6.8 U | 6.8 U |
| 1,1-Dichloroethane | 26000 | 270 | | 6.8 U | 6.8 U |
| 1,1-Dichloroethene | 100000 | 330 | | 6.8 U | 6.8 U |
| 1,2,3-Trichlorobenzene | -- | -- | | 6.8 U | 6.8 U |
| 1,2,4-Trichlorobenzene | -- | -- | | 6.8 U | 6.8 U |
| 1,2-Dibromo-3-chloropropane | -- | -- | | 14 U | 14 U |
| 1,2-Dibromoethane | -- | -- | | 1.4 U | 1.4 U |
| 1,2-Dichlorobenzene | 100000 | 1100 | | 6.8 U | 6.8 U |
| 1,2-Dichloroethane | 3100 | 20 | | 1.4 U | 1.4 U |
| 1,2-Dichloropropane | -- | -- | | 6.8 U | 6.8 U |
| 1,3-Dichlorobenzene | 49000 | 2400 | | 6.8 U | 6.8 U |
| 1,4-Dichlorobenzene | 13000 | 1800 | | 6.8 U | 6.8 U |
| 1,4-Dioxane | 13000 | 100 | | 170 U | 170 U |
| 2-Butanone (MEK) | 100000 | 120 | | 14 U | 14 U |
| 2-Hexanone | -- | -- | | 6.8 U | 6.8 U |
| 4-Methyl-2-pentanone (MIBK) | -- | -- | | 6.8 U | 6.8 U |
| Acetone | 100000 | 50 | | 14 U | 14 U |
| Benzene | 4800 | 60 | | 1.4 U | 1.4 U |
| Bromochloromethane | -- | -- | | 6.8 U | 6.8 U |
| Bromodichloromethane | -- | -- | | 6.8 U | 6.8 U |
| Bromoform | -- | -- | | 6.8 U | 6.8 U |
| Bromomethane | -- | -- | | 6.8 U | 6.8 U |
| Carbon disulfide | -- | -- | | 6.8 U | 6.8 U |
| Carbon tetrachloride | 2400 | 760 | | 6.8 U | 6.8 U |
| Chlorobenzene | 100000 | 1100 | | 6.8 U | 6.8 U |
| Chloroethane | -- | -- | | 6.8 U | 6.8 U |
| Chloroform | 49000 | 370 | | 6.8 U | 6.8 U |
| Chloromethane | -- | -- | | 6.8 U | 6.8 U |
| cis-1,2-Dichloroethene | 100000 | 250 | | 6.8 U | 6.8 U |

**Table 7A. Summary of Volatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-11 | SB-11 |
|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 22-24 |
| cis-1,3-Dichloropropene | -- | -- | | 6.8 U | 6.8 U |
| Cyclohexane | -- | -- | | 6.8 U | 6.8 U |
| Dibromochloromethane | -- | -- | | 6.8 U | 6.8 U |
| Dichlorodifluoromethane | -- | -- | | 6.8 U | 6.8 U |
| Ethylbenzene | 41000 | 1000 | | 1.4 U | 1.4 U |
| Isopropylbenzene | -- | -- | | 6.8 U | 6.8 U |
| m+p-Xylene | -- | -- | | 1 J | 1.2 J |
| Methyl acetate | -- | -- | | 6.8 U | 6.8 U |
| Methylcyclohexane | -- | -- | | 6.8 U | 6.8 U |
| Methylene chloride | 100000 | 50 | | 6.8 U | 6.8 U |
| MTBE | 100000 | 930 | | 1.4 U | 1.4 U |
| o-Xylene | -- | -- | | 1.4 U | 1.4 U |
| Styrene | -- | -- | | 6.8 U | 6.8 U |
| Tetrachloroethene | 19000 | 1300 | | 6.8 U | 6.8 U |
| Toluene | 100000 | 700 | | 1.4 U | 1.2 J |
| trans-1,2-Dichloroethene | 100000 | 190 | | 6.8 U | 6.8 U |
| trans-1,3-Dichloropropene | -- | -- | | 6.8 U | 6.8 U |
| Trichloroethene | 21000 | 470 | | 6.8 U | 6.8 U |
| Trichlorofluoromethane | -- | -- | | 6.8 U | 6.8 U |
| Vinyl chloride | 900 | 20 | | 6.8 U | 6.8 U |
| Xylenes (total) | 100000 | 260 | | 1.5 J | 1.5 J |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-1/MW-1 | SB-1/MW-1 | SB-2/MW-2 | SB-2/MW-2 | SB-3/MW-3 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 24-26 | 0-2 | 18-20 | 0-2 |
| 1,2,4,5-Tetrachlorobenzene | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 2,2'-oxybis (1-chloropropane) | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 2,4,5-Trichlorophenol | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 2,4,6-Trichlorophenol | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 2,4-Dichlorophenol | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 2,4-Dimethylphenol | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 2,4-Dinitrophenol | -- | -- | | 670 U | 620 U | 650 U | 630 U | 630 U |
| 2,4-Dinitrotoluene | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 2,6-Dinitrotoluene | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 2-Chloronaphthalene | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 2-Chlorophenol | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 2-Methylnaphthalene | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 2-Methylphenol | 100000 | 330 | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 2-Nitroaniline | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 2-Nitrophenol | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 3&4-Methylphenol | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 3,3'-Dichlorobenzidine | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 3-Nitroaniline | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 4,6-Dinitro-2-methylphenol | -- | -- | | 670 U | 620 U | 650 U | 630 U | 630 U |
| 4-Bromophenyl phenyl ether | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 4-Chloro-3-methylphenol | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 4-Chloroaniline | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 4-Chlorophenyl phenyl ether | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| 4-Nitroaniline | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| 4-Nitrophenol | -- | -- | | 340 U | 310 U | 320 U | 320 U | 320 U |
| Acenaphthene | 100000 | 20000 | | 34 U | 31 U | 32 U | 32 U | 32 U |
| Acenaphthylene | 100000 | 100000 | | 34 U | 31 U | 17.1 J | 32 U | 32 U |
| Acetophenone | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| Anthracene | 100000 | 100000 | | 34 U | 31 U | 19.8 J | 32 U | 32 U |
| Atrazine | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-1/MW-1 | SB-1/MW-1 | SB-2/MW-2 | SB-2/MW-2 | SB-3/MW-3 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 24-26 | 0-2 | 18-20 | 0-2 |
| Benzaldehyde | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| Benzo[a]anthracene | 1000 | 1000 | | 34 U | 13.2 J | 95 | 32 U | 32 U |
| Benzo[a]pyrene | 1000 | 1000 | | 34 U | 31 U | 101 | 32 U | 32 U |
| Benzo[b]fluoranthene | 1000 | 1000 | | 34 U | 31 U | 89.2 | 32 U | 32 U |
| Benzo[g,h,i]perylene | 100000 | 100000 | | 34 U | 31 U | 72.3 | 32 U | 32 U |
| Benzo[k]fluoranthene | 3900 | 800 | | 34 U | 31 U | 87.5 | 32 U | 32 U |
| Bis(2-chloroethoxy)methane | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Bis(2-chloroethyl) ether | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Bis(2-ethylhexyl) phthalate | -- | -- | | 67 U | 111 | 65 U | 63 U | 63 U |
| Butylbenzyl phthalate | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Caprolactam | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Carbazole | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Chrysene | 3900 | 1000 | | 34 U | 14.2 J | 101 | 32 U | 32 U |
| Dibenzo[a,h]anthracene | 330 | 330 | | 34 U | 31 U | 19.9 J | 32 U | 32 U |
| Dibenzofuran | 59000 | 7000 | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Diethyl phthalate | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Dimethyl phthalate | -- | -- | | 67 U | 62 U | 65 U | 117 | 63 U |
| Di-n-butyl phthalate | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Di-n-octyl phthalate | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Diphenyl | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Fluoranthene | 100000 | 100000 | | 34 U | 18.7 J | 149 | 32 U | 32 U |
| Fluorene | 100000 | 30000 | | 34 U | 31 U | 32 U | 32 U | 32 U |
| Hexachlorobenzene | 1200 | 330 | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Hexachlorobutadiene | -- | -- | | 34 U | 31 U | 32 U | 32 U | 32 U |
| Hexachlorocyclopentadiene | -- | -- | | 670 U | 620 U | 650 U | 630 U | 630 U |
| Hexachloroethane | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| Indeno[1,2,3-cd]pyrene | 500 | 500 | | 34 U | 31 U | 63.5 | 32 U | 32 U |
| Isophorone | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Naphthalene | 100000 | 12000 | | 34 U | 31 U | 32 U | 32 U | 32 U |
| Nitrobenzene | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |
| n-Nitrosodi-n-propylamine | -- | -- | | 67 U | 62 U | 65 U | 63 U | 63 U |

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-1/MW-1 | SB-1/MW-1 | SB-2/MW-2 | SB-2/MW-2 | SB-3/MW-3 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 24-26 | 0-2 | 18-20 | 0-2 |
| n-Nitrosodiphenylamine | -- | -- | | 170 U | 150 U | 160 U | 160 U | 160 U |
| Pentachlorophenol | 6700 | 800 | | 340 U | 310 U | 320 U | 320 U | 320 U |
| Phenanthrene | 100000 | 100000 | | 34 U | 25.2 J | 57.8 | 32 U | 32 U |
| Phenol | 100000 | 330 | | 67 U | 62 U | 65 U | 63 U | 63 U |
| Pyrene | 100000 | 100000 | | 34 U | 25.3 J | 137 | 32 U | 32 U |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-3/MW-3 | SB-4 | SB-4 | SB-5/MW-5 | SB-5/MW-5 | SB-6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/28/2010 |
| | | | **Sample Depth (ft bls):** | 28-30 | 0-2 | 8-10 | 0-2 | 28-30 | 0-2 |
| 1,2,4,5-Tetrachlorobenzene | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 2,2'-oxybis (1-chloropropane) | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 2,4,5-Trichlorophenol | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 2,4,6-Trichlorophenol | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 2,4-Dichlorophenol | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 2,4-Dimethylphenol | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 2,4-Dinitrophenol | -- | -- | | 610 U | 710 U | 600 U | 680 U | 610 U | 650 U |
| 2,4-Dinitrotoluene | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 2,6-Dinitrotoluene | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 2-Chloronaphthalene | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 2-Chlorophenol | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 2-Methylnaphthalene | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 2-Methylphenol | 100000 | 330 | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 2-Nitroaniline | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 2-Nitrophenol | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 3&4-Methylphenol | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 3,3'-Dichlorobenzidine | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 3-Nitroaniline | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 4,6-Dinitro-2-methylphenol | -- | -- | | 610 U | 710 U | 600 U | 680 U | 610 U | 650 U |
| 4-Bromophenyl phenyl ether | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 4-Chloro-3-methylphenol | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 4-Chloroaniline | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 4-Chlorophenyl phenyl ether | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| 4-Nitroaniline | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| 4-Nitrophenol | -- | -- | | 310 U | 360 U | 300 U | 340 U | 310 U | 330 U |
| Acenaphthene | 100000 | 20000 | | 31 U | 36 U | 30 U | 34 U | 31 U | 17.5 J |
| Acenaphthylene | 100000 | 100000 | | 31 U | 36.4 | 30 U | 34 U | 31 U | 72.6 |
| Acetophenone | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| Anthracene | 100000 | 100000 | | 31 U | 34.6 J | 30 U | 34 U | 31 U | 106 |
| Atrazine | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-3/MW-3 | SB-4 | SB-4 | SB-5/MW-5 | SB-5/MW-5 | SB-6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/28/2010 |
| | | | **Sample Depth (ft bls):** | 28-30 | 0-2 | 8-10 | 0-2 | 28-30 | 0-2 |
| Benzaldehyde | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| Benzo[a]anthracene | 1000 | 1000 | | 31 U | 160 | 30 U | 34 U | 31 U | 127 |
| Benzo[a]pyrene | 1000 | 1000 | | 31 U | 202 | 30 U | 34 U | 31 U | 341 |
| Benzo[b]fluoranthene | 1000 | 1000 | | 31 U | 172 | 30 U | 34 U | 31 U | 195 |
| Benzo[g,h,i]perylene | 100000 | 100000 | | 31 U | 148 | 30 U | 34 U | 31 U | 780 |
| Benzo[k]fluoranthene | 3900 | 800 | | 31 U | 149 | 30 U | 34 U | 31 U | 116 |
| Bis(2-chloroethoxy)methane | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Bis(2-chloroethyl) ether | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Bis(2-ethylhexyl) phthalate | -- | -- | | 127 | 40.7 J | 35.8 J | 68 U | 150 | 65 U |
| Butylbenzyl phthalate | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Caprolactam | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Carbazole | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 26.7 J |
| Chrysene | 3900 | 1000 | | 31 U | 180 | 30 U | 34 U | 31 U | 162 |
| Dibenzo[a,h]anthracene | 330 | 330 | | 31 U | 50 | 30 U | 34 U | 31 U | 147 |
| Dibenzofuran | 59000 | 7000 | | 61 U | 71 U | 60 U | 68 U | 61 U | 14.2 J |
| Diethyl phthalate | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Dimethyl phthalate | -- | -- | | 61 U | 71 U | 32.4 J | 68 U | 61 U | 65 U |
| Di-n-butyl phthalate | -- | -- | | 61 U | 51.9 J | 60 U | 68 U | 61 U | 65 U |
| Di-n-octyl phthalate | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Diphenyl | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Fluoranthene | 100000 | 100000 | | 31 U | 123 | 30 U | 34 U | 31 U | 203 |
| Fluorene | 100000 | 30000 | | 31 U | 36 U | 30 U | 34 U | 31 U | 26.3 J |
| Hexachlorobenzene | 1200 | 330 | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Hexachlorobutadiene | -- | -- | | 31 U | 36 U | 30 U | 34 U | 31 U | 33 U |
| Hexachlorocyclopentadiene | -- | -- | | 610 U | 710 U | 600 U | 680 U | 610 U | 650 U |
| Hexachloroethane | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| Indeno[1,2,3-cd]pyrene | 500 | 500 | | 31 U | 130 | 30 U | 34 U | 31 U | 245 |
| Isophorone | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Naphthalene | 100000 | 12000 | | 31 U | 36 U | 30 U | 34 U | 31 U | 33 U |
| Nitrobenzene | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| n-Nitrosodi-n-propylamine | -- | -- | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-3/MW-3 | SB-4 | SB-4 | SB-5/MW-5 | SB-5/MW-5 | SB-6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/28/2010 |
| | | | **Sample Depth (ft bls):** | 28-30 | 0-2 | 8-10 | 0-2 | 28-30 | 0-2 |
| n-Nitrosodiphenylamine | -- | -- | | 150 U | 180 U | 150 U | 170 U | 150 U | 160 U |
| Pentachlorophenol | 6700 | 800 | | 310 U | 360 U | 300 U | 340 U | 310 U | 330 U |
| Phenanthrene | 100000 | 100000 | | 31 U | 36 U | 30 U | 34 U | 31 U | 119 |
| Phenol | 100000 | 330 | | 61 U | 71 U | 60 U | 68 U | 61 U | 65 U |
| Pyrene | 100000 | 100000 | | 31 U | 124 | 30 U | 34 U | 31 U | 209 |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-6 | SB-7/MW-4 | SB-7/MW-4 | SB-8 | SB-8 | SB-9 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/30/2010 |
| | | | **Sample Depth (ft bls):** | 22-24 | 0-2 | 25-27 | 0-2 | 20-22 | 0-2 |
| 1,2,4,5-Tetrachlorobenzene | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 2,2'-oxybis (1-chloropropane) | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 2,4,5-Trichlorophenol | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 2,4,6-Trichlorophenol | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 2,4-Dichlorophenol | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 2,4-Dimethylphenol | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 2,4-Dinitrophenol | -- | -- | | 650 U | 650 U | 730 U | 720 U | 670 U | 660 U |
| 2,4-Dinitrotoluene | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 2,6-Dinitrotoluene | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 2-Chloronaphthalene | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 2-Chlorophenol | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 2-Methylnaphthalene | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 2-Methylphenol | 100000 | 330 | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 2-Nitroaniline | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 2-Nitrophenol | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 3&4-Methylphenol | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 3,3'-Dichlorobenzidine | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 3-Nitroaniline | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 4,6-Dinitro-2-methylphenol | -- | -- | | 650 U | 650 U | 730 U | 720 U | 670 U | 660 U |
| 4-Bromophenyl phenyl ether | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 4-Chloro-3-methylphenol | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 4-Chloroaniline | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 4-Chlorophenyl phenyl ether | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| 4-Nitroaniline | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| 4-Nitrophenol | -- | -- | | 320 U | 320 U | 360 U | 360 U | 330 U | 330 U |
| Acenaphthene | 100000 | 20000 | | 32 U | 32 U | 36 U | 36 U | 33 U | 105 |
| Acenaphthylene | 100000 | 100000 | | 32 U | 43.4 | 36 U | 36 U | 33 U | 16.2 J |
| Acetophenone | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| Anthracene | 100000 | 100000 | | 32 U | 51.8 | 35.1 J | 36 U | 33 U | 164 |
| Atrazine | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-6 | SB-7/MW-4 | SB-7/MW-4 | SB-8 | SB-8 | SB-9 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/30/2010 |
| | | | **Sample Depth (ft bls):** | 22-24 | 0-2 | 25-27 | 0-2 | 20-22 | 0-2 |
| Benzaldehyde | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| Benzo[a]anthracene | 1000 | 1000 | | 32 U | 215 | 36 U | 65.8 | 33 U | 288 |
| Benzo[a]pyrene | 1000 | 1000 | | 32 U | 230 | 36 U | 75.1 | 33 U | 272 |
| Benzo[b]fluoranthene | 1000 | 1000 | | 32 U | 310 | 36 U | 78.8 | 33 U | 263 |
| Benzo[g,h,i]perylene | 100000 | 100000 | | 32 U | 235 | 36 U | 66 | 33 U | 162 |
| Benzo[k]fluoranthene | 3900 | 800 | | 32 U | 117 | 36 U | 48.8 | 33 U | 242 |
| Bis(2-chloroethoxy)methane | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Bis(2-chloroethyl) ether | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Bis(2-ethylhexyl) phthalate | -- | -- | | 65 U | 47 J | 73 U | 177 | 67 U | 272 |
| Butylbenzyl phthalate | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Caprolactam | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Carbazole | -- | -- | | 65 U | 17.8 J | 22.8 J | 72 U | 67 U | 47.7 J |
| Chrysene | 3900 | 1000 | | 32 U | 249 | 36 U | 79.2 | 33 U | 332 |
| Dibenzo[a,h]anthracene | 330 | 330 | | 32 U | 126 | 36 U | 20.6 J | 33 U | 58.7 |
| Dibenzofuran | 59000 | 7000 | | 65 U | 65 U | 73 U | 72 U | 67 U | 67.4 |
| Diethyl phthalate | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Dimethyl phthalate | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 65.9 J |
| Di-n-butyl phthalate | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Di-n-octyl phthalate | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Diphenyl | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Fluoranthene | 100000 | 100000 | | 32 U | 296 | 32 J | 93 | 33 U | 699 |
| Fluorene | 100000 | 30000 | | 32 U | 32 U | 36 U | 36 U | 33 U | 58.6 |
| Hexachlorobenzene | 1200 | 330 | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Hexachlorobutadiene | -- | -- | | 32 U | 32 U | 36 U | 36 U | 33 U | 33 U |
| Hexachlorocyclopentadiene | -- | -- | | 650 U | 650 U | 730 U | 720 U | 670 U | 660 U |
| Hexachloroethane | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| Indeno[1,2,3-cd]pyrene | 500 | 500 | | 32 U | 189 | 36 U | 56.1 | 33 U | 159 |
| Isophorone | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Naphthalene | 100000 | 12000 | | 32 U | 59.1 | 36 U | 36 U | 33 U | 42.6 |
| Nitrobenzene | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| n-Nitrosodi-n-propylamine | -- | -- | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-6 | SB-7/MW-4 | SB-7/MW-4 | SB-8 | SB-8 | SB-9 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/30/2010 |
| | | | **Sample Depth (ft bls):** | 22-24 | 0-2 | 25-27 | 0-2 | 20-22 | 0-2 |
| n-Nitrosodiphenylamine | -- | -- | | 160 U | 160 U | 180 U | 180 U | 170 U | 170 U |
| Pentachlorophenol | 6700 | 800 | | 320 U | 320 U | 360 U | 360 U | 330 U | 330 U |
| Phenanthrene | 100000 | 100000 | | 32 U | 96.6 | 30.3 J | 49.2 | 33 U | 486 |
| Phenol | 100000 | 330 | | 65 U | 65 U | 73 U | 72 U | 67 U | 66 U |
| Pyrene | 100000 | 100000 | | 32 U | 260 | 19.4 J | 113 | 33 U | 606 |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-9 | SB-10/MW-6 | SB-10/MW-6 | SB-11 | SB-11 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/30/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 16-18 | 0-2 | 14-16 | 0-2 | 22-24 |
| 1,2,4,5-Tetrachlorobenzene | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 2,2'-oxybis (1-chloropropane) | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 2,4,5-Trichlorophenol | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 2,4,6-Trichlorophenol | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 2,4-Dichlorophenol | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 2,4-Dimethylphenol | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 2,4-Dinitrophenol | -- | -- | | 600 U | 660 U | 630 U | 700 U | 700 U |
| 2,4-Dinitrotoluene | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 2,6-Dinitrotoluene | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 2-Chloronaphthalene | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 2-Chlorophenol | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 2-Methylnaphthalene | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 2-Methylphenol | 100000 | 330 | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 2-Nitroaniline | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 2-Nitrophenol | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 3&4-Methylphenol | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 3,3'-Dichlorobenzidine | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 3-Nitroaniline | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 4,6-Dinitro-2-methylphenol | -- | -- | | 600 U | 660 U | 630 U | 700 U | 700 U |
| 4-Bromophenyl phenyl ether | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 4-Chloro-3-methylphenol | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 4-Chloroaniline | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 4-Chlorophenyl phenyl ether | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| 4-Nitroaniline | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| 4-Nitrophenol | -- | -- | | 300 U | 330 U | 320 U | 350 U | 350 U |
| Acenaphthene | 100000 | 20000 | | 30 U | 33 U | 32 U | 35 U | 35 U |
| Acenaphthylene | 100000 | 100000 | | 30 U | 19.9 J | 32 U | 35 U | 35 U |
| Acetophenone | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| Anthracene | 100000 | 100000 | | 30 U | 23.8 J | 32 U | 22.4 J | 35 U |
| Atrazine | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-9 | SB-10/MW-6 | SB-10/MW-6 | SB-11 | SB-11 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/30/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 16-18 | 0-2 | 14-16 | 0-2 | 22-24 |
| Benzaldehyde | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| Benzo[a]anthracene | 1000 | 1000 | | 30 U | 107 | 32 U | 15.7 J | 35 U |
| Benzo[a]pyrene | 1000 | 1000 | | 30 U | 99.6 | 32 U | 35 U | 35 U |
| Benzo[b]fluoranthene | 1000 | 1000 | | 30 U | 119 | 32 U | 35 U | 35 U |
| Benzo[g,h,i]perylene | 100000 | 100000 | | 30 U | 75.4 | 32 U | 35 U | 35 U |
| Benzo[k]fluoranthene | 3900 | 800 | | 30 U | 72.2 | 32 U | 35 U | 35 U |
| Bis(2-chloroethoxy)methane | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Bis(2-chloroethyl) ether | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Bis(2-ethylhexyl) phthalate | -- | -- | | 74.8 | 66 U | 83 | 130 | 70 U |
| Butylbenzyl phthalate | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Caprolactam | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Carbazole | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Chrysene | 3900 | 1000 | | 30 U | 119 | 32 U | 21 J | 35 U |
| Dibenzo[a,h]anthracene | 330 | 330 | | 30 U | 29 J | 32 U | 35 U | 35 U |
| Dibenzofuran | 59000 | 7000 | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Diethyl phthalate | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Dimethyl phthalate | -- | -- | | 60 U | 82.1 | 63 U | 70 U | 70 U |
| Di-n-butyl phthalate | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Di-n-octyl phthalate | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Diphenyl | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Fluoranthene | 100000 | 100000 | | 30 U | 250 | 32 U | 38.8 | 35 U |
| Fluorene | 100000 | 30000 | | 30 U | 33 U | 32 U | 35 U | 35 U |
| Hexachlorobenzene | 1200 | 330 | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Hexachlorobutadiene | -- | -- | | 30 U | 33 U | 32 U | 35 U | 35 U |
| Hexachlorocyclopentadiene | -- | -- | | 600 U | 660 U | 630 U | 700 U | 700 U |
| Hexachloroethane | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| Indeno[1,2,3-cd]pyrene | 500 | 500 | | 30 U | 63.2 | 32 U | 35 U | 35 U |
| Isophorone | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Naphthalene | 100000 | 12000 | | 30 U | 33 U | 32 U | 35 U | 35 U |
| Nitrobenzene | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |
| n-Nitrosodi-n-propylamine | -- | -- | | 60 U | 66 U | 63 U | 70 U | 70 U |

**Table 7B. Summary of Semivolatile Organic Compounds in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-9 | SB-10/MW-6 | SB-10/MW-6 | SB-11 | SB-11 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/30/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 16-18 | 0-2 | 14-16 | 0-2 | 22-24 |
| n-Nitrosodiphenylamine | -- | -- | | 150 U | 170 U | 160 U | 180 U | 170 U |
| Pentachlorophenol | 6700 | 800 | | 300 U | 330 U | 320 U | 350 U | 350 U |
| Phenanthrene | 100000 | 100000 | | 30 U | 128 | 32 U | 20.1 J | 35 U |
| Phenol | 100000 | 330 | | 60 U | 66 U | 63 U | 70 U | 70 U |
| Pyrene | 100000 | 100000 | | 30 U | 209 | 32 U | 31.4 J | 35 U |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7C. Summary of Metals in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in mg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-1/MW-1 | SB-1/MW-1 | SB-2/MW-2 | SB-2/MW-2 | SB-3/MW-3 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 24-26 | 0-2 | 18-20 | 0-2 |
| Aluminum | -- | -- | | 16100 | 8200 | 11700 | 3110 | 11500 |
| Antimony | -- | -- | | 2.5 U | 2.2 U | 2.4 U | 2.3 U | 2.3 U |
| Arsenic | 16 | 13 | | 3.4 | 2.2 U | 4 | 2.3 U | 2.3 U |
| Barium | 400 | 350 | | 131 | 68.4 | 104 | 30.8 | 55 |
| Beryllium | 72 | 7.2 | | 0.8 | 0.43 | 0.3 | 0.31 | 0.56 |
| Cadmium | 4.3 | 2.5 | | 0.62 U | 0.55 U | 0.6 U | 0.58 U | 0.57 U |
| Calcium | -- | -- | | 2920 | 820 | 9450 | 637 | 1330 |
| Chromium | -- | 30 | | 34.5 | 31.2 | 20.4 | 14.8 | 23.6 |
| Cobalt | -- | -- | | 10.4 | 7.6 | 6 U | 6.8 | 9.6 |
| Copper | 270 | 50 | | 24 | 14.6 | 28.5 | 17.8 | 14.3 |
| Iron | -- | -- | | 22400 | 15300 | 15100 | 22600 | 17700 |
| Lead | 400 | 63 | | 41.6 | 3.1 | 213 | 3.9 | 12.8 |
| Magnesium | -- | -- | | 4030 | 2850 | 2490 | 873 | 2840 |
| Manganese | 2000 | 1600 | | 559 | 356 | 287 | 538 | 469 |
| Mercury | 0.81 | 0.18 | | 0.056 | 0.033 U | 0.28 | 0.034 U | 0.034 U |
| Nickel | 310 | 30 | | 32 | 41.7 | 12.8 | 13 | 16.8 |
| Potassium | -- | -- | | 3200 | 2240 | 1400 | 1200 U | 1380 |
| Selenium | 180 | 3.9 | | 2.5 U | 2.2 U | 2.4 U | 2.3 U | 2.3 U |
| Silver | 180 | 2 | | 0.62 U | 0.55 U | 0.6 U | 0.58 U | 0.57 U |
| Sodium | -- | -- | | 1200 U | 1100 U | 1200 U | 1200 U | 1100 U |
| Thallium | -- | -- | | 1.2 U | 1.1 U | 1.2 U | 1.2 U | 1.1 U |
| Vanadium | -- | -- | | 40.6 | 24.1 | 29.9 | 23.5 | 29 |
| Zinc | 10000 | 109 | | 53.9 | 26.7 | 169 | 20 | 28.9 |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7C. Summary of Metals in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in mg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-3/MW-3 | SB-4 | SB-4 | SB-5/MW-5 | SB-5/MW-5 | SB-6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/28/2010 |
| | | | **Sample Depth (ft bls):** | 28-30 | 0-2 | 8-10 | 0-2 | 28-30 | 0-2 |
| Aluminum | -- | -- | | 3770 | 7120 | 5110 | 17100 | 4930 | 8830 |
| Antimony | -- | -- | | 2.2 U | 2.6 U | 2.1 U | 2.4 U | 2.1 U | 2.3 U |
| Arsenic | 16 | 13 | | 2.2 | 3.9 | 2.1 U | 4.1 | 3.5 | 6.3 |
| Barium | 400 | 350 | | 29.4 | 195 | 36.4 | 67.7 | 28.2 | **575** |
| Beryllium | 72 | 7.2 | | 0.3 | 0.52 | 0.29 | 0.63 | 0.33 | 0.5 |
| Cadmium | 4.3 | 2.5 | | 0.56 U | 3.4 | 0.51 U | 0.59 U | 0.52 U | 3.1 |
| Calcium | -- | -- | | 1350 | 16600 | 609 | 1170 | 1810 | 49900 |
| Chromium | -- | 30 | | 12.9 | 19.2 | 15 | 25.2 | 15.9 | 18.8 |
| Cobalt | -- | -- | | 6.6 | 6.6 U | 5.1 U | 8.1 | 8.4 | 5.9 U |
| Copper | 270 | 50 | | 9.9 | 83 | 12.3 | 11.1 | 12.4 | 77.8 |
| Iron | -- | -- | | 13700 | 14900 | 13000 | 22000 | 26500 | 11500 |
| Lead | 400 | 63 | | 3.6 | **1500** | 3.4 | 27.2 | 7.7 | **1230** |
| Magnesium | -- | -- | | 1400 | 3560 | 1390 | 2810 | 1580 | 3230 |
| Manganese | 2000 | 1600 | | 228 | 378 | 374 | 386 | 321 | 395 |
| Mercury | 0.81 | 0.18 | | 0.032 U | 0.066 | 0.032 U | 0.045 | 0.032 U | 0.33 |
| Nickel | 310 | 30 | | 10.6 | 22.1 | 11 | 15.6 | 14.8 | 18.2 |
| Potassium | -- | -- | | 1100 U | 1300 U | 1160 | 1200 U | 1000 U | 1220 |
| Selenium | 180 | 3.9 | | 2.2 U | 2.6 U | 2.1 U | 2.4 U | 2.1 U | 2.3 U |
| Silver | 180 | 2 | | 0.56 U | 0.66 U | 0.51 U | 0.59 U | 0.52 U | 0.59 U |
| Sodium | -- | -- | | 1100 U | 1300 U | 1000 U | 1200 U | 1000 U | 1200 U |
| Thallium | -- | -- | | 1.1 U | 1.3 U | 1 U | 1.2 U | 1 U | 1.2 U |
| Vanadium | -- | -- | | 15 | 45.6 | 19.1 | 31.3 | 19.2 | 30.6 |
| Zinc | 10000 | 109 | | 20.4 | 268 | 18.4 | 41.9 | 28.2 | 612 |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7C. Summary of Metals in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in mg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-6 | SB-7/MW-4 | SB-7/MW-4 | SB-8 | SB-8 | SB-9 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/30/2010 |
| | | | **Sample Depth (ft bls):** | 22-24 | 0-2 | 25-27 | 0-2 | 20-22 | 0-2 |
| Aluminum | -- | -- | | 7340 | 6730 | 24700 | 13500 | 5290 | 13200 |
| Antimony | -- | -- | | 2.4 U | 2.2 U | 2 U | 2 U | 2.3 U | 2.3 U |
| Arsenic | 16 | 13 | | 2.4 U | 5.6 | 7 | 4.8 | 2.3 U | 5.2 |
| Barium | 400 | 350 | | 68 | 72.3 | 225 | 73.5 | 70.3 | 174 |
| Beryllium | 72 | 7.2 | | 0.43 | 0.39 | 1.8 | 0.58 | 0.32 | 0.59 |
| Cadmium | 4.3 | 2.5 | | 0.6 U | 0.56 U | 0.49 U | 0.49 U | 0.57 U | 3.9 |
| Calcium | -- | -- | | 600 U | 43200 | 7350 | 5650 | 647 | 8980 |
| Chromium | -- | 30 | | 31.1 | 13.8 | 41.1 | 23.4 | 12 | 25.1 |
| Cobalt | -- | -- | | 6.2 | 5.6 U | 27.1 | 7.5 | 5.7 U | 6.6 |
| Copper | 270 | 50 | | 10.8 | 43.8 | 39.9 | 40.8 | 8.8 | 62.1 |
| Iron | -- | -- | | 12400 | 13800 | 36700 | 19700 | 9410 | 18500 |
| Lead | 400 | 63 | | 3 | 213 | 24.7 | 124 | 2.4 | **550** |
| Magnesium | -- | -- | | 2980 | 22700 | 8960 | 2920 | 1460 | 2750 |
| Manganese | 2000 | 1600 | | 321 | 240 | 1870 | 353 | 446 | 294 |
| Mercury | 0.81 | 0.18 | | 0.034 U | 0.25 | 0.038 U | 0.22 | 0.039 U | 0.63 |
| Nickel | 310 | 30 | | 32.1 | 19.8 | 54.9 | 78.9 | 9.9 | 24.2 |
| Potassium | -- | -- | | 2520 | 1100 U | 4020 | 1290 | 1100 U | 1200 U |
| Selenium | 180 | 3.9 | | 2.4 U | 2.2 U | 2 U | 2 U | 2.3 U | 2.3 U |
| Silver | 180 | 2 | | 0.6 U | 0.56 U | 0.49 U | 0.49 U | 0.57 U | 0.59 U |
| Sodium | -- | -- | | 1200 U | 1100 U | 980 U | 980 U | 1100 U | 1200 U |
| Thallium | -- | -- | | 1.2 U | 1.1 U | 2.9 U | 0.98 U | 1.1 U | 1.2 U |
| Vanadium | -- | -- | | 20.8 | 26.9 | 41.8 | 27.8 | 14.9 | 31.5 |
| Zinc | 10000 | 109 | | 26.1 | 134 | 91.8 | 193 | 17.8 | 641 |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7C. Summary of Metals in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in mg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-9 | SB-10/MW-6 | SB-10/MW-6 | SB-11 | SB-11 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/30/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 16-18 | 0-2 | 14-16 | 0-2 | 22-24 |
| Aluminum | -- | -- | | 2750 | 10500 | 9630 | 13900 | 6410 |
| Antimony | -- | -- | | 2.2 U | 2.2 U | 2.1 U | 2.5 U | 2.4 U |
| Arsenic | 16 | 13 | | 2.2 U | 5.8 | 2.1 U | 3.1 | 2.4 U |
| Barium | 400 | 350 | | 22 U | 209 | 77.1 | 49.3 | 47.8 |
| Beryllium | 72 | 7.2 | | 0.22 U | 0.48 | 0.43 | 0.55 | 0.37 |
| Cadmium | 4.3 | 2.5 | | 0.54 U | 1.5 | 0.54 U | 0.63 U | 0.6 U |
| Calcium | -- | -- | | 540 U | 70600 | 657 | 1140 | 600 U |
| Chromium | -- | 30 | | 10.8 | 13.2 | 24.5 | 24.6 | 19.8 |
| Cobalt | -- | -- | | 5.4 U | 5.6 U | 8.8 | 7 | 6.2 |
| Copper | 270 | 50 | | 9.1 | 15.9 | 19.5 | 13.6 | 10.2 |
| Iron | -- | -- | | 12100 | 13100 | 25100 | 17100 | 16900 |
| Lead | 400 | 63 | | 2.2 U | **858** | 5.5 | 15.1 | 2.4 |
| Magnesium | -- | -- | | 705 | 39700 | 3050 | 2710 | 1780 |
| Manganese | 2000 | 1600 | | 194 | 296 | 359 | 295 | 365 |
| Mercury | 0.81 | 0.18 | | 0.031 U | 0.45 | 0.036 U | 0.065 | 0.038 U |
| Nickel | 310 | 30 | | 7.2 | 9 | 18.5 | 18.9 | 24.6 |
| Potassium | -- | -- | | 1100 U | 1630 | 3210 | 1300 U | 1680 |
| Selenium | 180 | 3.9 | | 2.2 U | 2.2 U | 2.1 U | 2.5 U | 2.4 U |
| Silver | 180 | 2 | | 0.54 U | 0.56 U | 0.54 U | 0.63 U | 0.6 U |
| Sodium | -- | -- | | 1100 U | 1100 U | 1100 U | 1300 U | 1200 U |
| Thallium | -- | -- | | 1.1 U | 1.1 U | 1.1 U | 1.3 U | 1.2 U |
| Vanadium | -- | -- | | 11.7 | 23.4 | 34.6 | 26.9 | 20.3 |
| Zinc | 10000 | 109 | | 14.9 | 326 | 40.8 | 166 | 21.8 |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7D. Summary of Polychlorinated Biphenyls in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-1/MW-1 | SB-1/MW-1 | SB-2/MW-2 | SB-2/MW-2 | SB-3/MW-3 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 24-26 | 0-2 | 18-20 | 0-2 |
| Aroclor-1016 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Aroclor-1221 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Aroclor-1232 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Aroclor-1242 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Aroclor-1248 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Aroclor-1254 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Aroclor-1260 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Aroclor-1262 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Aroclor-1268 | -- | -- | | 34 U | 32 U | 33 U | 32 U | 32 U |
| Total PCBs | 1000 | 100 | | 0 | 0 | 0 | 0 | 0 |

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

**Table 7D. Summary of Polychlorinated Biphenyls in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-3/MW-3 | SB-4 | SB-4 | SB-5/MW-5 | SB-5/MW-5 | SB-6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/28/2010 |
| | | | **Sample Depth (ft bls):** | 28-30 | 0-2 | 8-10 | 0-2 | 28-30 | 0-2 |
| Aroclor-1016 | -- | -- | | 31 U | 37 U | 30 U | 35 U | 31 U | 33 U |
| Aroclor-1221 | -- | -- | | 31 U | 37 U | 30 U | 35 U | 31 U | 33 U |
| Aroclor-1232 | -- | -- | | 31 U | 37 U | 30 U | 35 U | 31 U | 33 U |
| Aroclor-1242 | -- | -- | | 31 U | 37 U | 30 U | 35 U | 31 U | 33 U |
| Aroclor-1248 | -- | -- | | 31 U | 37 U | 30 U | 35 U | 31 U | 33 U |
| Aroclor-1254 | -- | -- | | 31 U | 37 U | 30 U | 35 U | 31 U | 33 U |
| Aroclor-1260 | -- | -- | | 31 U | 76.3 | 30 U | 35 U | 31 U | 33 U |
| Aroclor-1262 | -- | -- | | 31 U | 37 U | 30 U | 35 U | 31 U | 33 U |
| Aroclor-1268 | -- | -- | | 31 U | 37 U | 30 U | 35 U | 31 U | 33 U |
| Total PCBs | 1000 | 100 | | 0 | 76.3 | 0 | 0 | 0 | 0 |

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

**Table 7D. Summary of Polychlorinated Biphenyls in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-6 | SB-7/MW-4 | SB-7/MW-4 | SB-8 | SB-8 | SB-9 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/30/2010 |
| | | | **Sample Depth (ft bls):** | 22-24 | 0-2 | 25-27 | 0-2 | 20-22 | 0-2 |
| Aroclor-1016 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 34 U |
| Aroclor-1221 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 34 U |
| Aroclor-1232 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 34 U |
| Aroclor-1242 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 34 U |
| Aroclor-1248 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 335 |
| Aroclor-1254 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 34 U |
| Aroclor-1260 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 60 |
| Aroclor-1262 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 34 U |
| Aroclor-1268 | -- | -- | | 33 U | 33 U | 38 U | 37 U | 34 U | 34 U |
| Total PCBs | 1000 | 100 | | 0 | 0 | 0 | 0 | 0 | 395 |

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

**Table 7D. Summary of Polychlorinated Biphenyls in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-9 | SB-10/MW-6 | SB-10/MW-6 | SB-11 | SB-11 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/30/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 16-18 | 0-2 | 14-16 | 0-2 | 22-24 |
| Aroclor-1016 | -- | -- | | 31 U | 34 U | 32 U | 36 U | 35 U |
| Aroclor-1221 | -- | -- | | 31 U | 34 U | 32 U | 36 U | 35 U |
| Aroclor-1232 | -- | -- | | 31 U | 34 U | 32 U | 36 U | 35 U |
| Aroclor-1242 | -- | -- | | 31 U | 34 U | 32 U | 36 U | 35 U |
| Aroclor-1248 | -- | -- | | 31 U | 34 U | 32 U | 36 U | 35 U |
| Aroclor-1254 | -- | -- | | 31 U | 34 U | 453 | 36 U | 35 U |
| Aroclor-1260 | -- | -- | | 31 U | 34 U | 179 | 36 U | 35 U |
| Aroclor-1262 | -- | -- | | 31 U | 34 U | 32 U | 36 U | 35 U |
| Aroclor-1268 | -- | -- | | 31 U | 34 U | 32 U | 36 U | 35 U |
| Total PCBs | 1000 | 100 | | 0 | 0 | 632 | 0 | 0 |

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

**Table 7E. Summary of Pesticides in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-1/MW-1 | SB-1/MW-1 | SB-2/MW-2 | SB-2/MW-2 | SB-3/MW-3 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/28/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 0-2 | 24-26 | 0-2 | 18-20 | 0-2 |
| 4,4'-DDD | 13000 | 3.3 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| 4,4'-DDE | 8900 | 3.3 | | 1.4 U | 1.3 U | 1.3 | 1.3 U | 1.3 U |
| 4,4'-DDT | 7900 | 3.3 | | 1.4 U | 1.3 U | 6.8 | 1.3 U | 1.3 U |
| Aldrin | 97 | 5 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| alpha-BHC | 480 | 20 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| alpha-Chlordane | 4200 | 94 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| beta-BHC | 360 | 36 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| delta-BHC | 100000 | 40 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Dieldrin | 200 | 5 | | 1.4 U | 1.3 U | 1.6 | 1.3 U | 1.3 U |
| Endosulfan I | 24000 | 2400 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Endosulfan II | 24000 | 2400 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Endosulfan sulfate | 24000 | 2400 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Endrin aldehyde | -- | -- | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Endrin ketone | -- | -- | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Endrin | 11000 | 14 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| gamma-BHC (Lindane) | 1300 | 100 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| gamma-Chlordane | -- | -- | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Heptachlor epoxide | -- | -- | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Heptachlor | 2100 | 42 | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Methoxychlor | -- | -- | | 1.4 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U |
| Toxaphene | -- | -- | | 17 U | 16 U | 17 U | 16 U | 16 U |

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U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7E. Summary of Pesticides in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-3/MW-3 | SB-4 | SB-4 | SB-5/MW-5 | SB-5/MW-5 | SB-6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/29/2010 | 4/28/2010 | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/28/2010 |
| | | | **Sample Depth (ft bls):** | 28-30 | 0-2 | 8-10 | 0-2 | 28-30 | 0-2 |
| 4,4'-DDD | 13000 | 3.3 | | 1.2 U | 8.6 | 1.2 U | 1.4 U | 1.3 U | 544 |
| 4,4'-DDE | 8900 | 3.3 | | 1.2 U | 5.4 | 1.2 U | 1.4 U | 1.3 U | 292 |
| 4,4'-DDT | 7900 | 3.3 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 4470 |
| Aldrin | 97 | 5 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| alpha-BHC | 480 | 20 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 47.7 |
| alpha-Chlordane | 4200 | 94 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 13 |
| beta-BHC | 360 | 36 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| delta-BHC | 100000 | 40 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Dieldrin | 200 | 5 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Endosulfan I | 24000 | 2400 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Endosulfan II | 24000 | 2400 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Endosulfan sulfate | 24000 | 2400 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Endrin aldehyde | -- | -- | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Endrin ketone | -- | -- | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Endrin | 11000 | 14 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| gamma-BHC (Lindane) | 1300 | 100 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| gamma-Chlordane | -- | -- | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 16.2 |
| Heptachlor epoxide | -- | -- | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Heptachlor | 2100 | 42 | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Methoxychlor | -- | -- | | 1.2 U | 1.5 U | 1.2 U | 1.4 U | 1.3 U | 1.3 U |
| Toxaphene | -- | -- | | 16 U | 18 U | 15 U | 17 U | 16 U | 16 U |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7E. Summary of Pesticides in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-6 | SB-7/MW-4 | SB-7/MW-4 | SB-8 | SB-8 | SB-9 |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/28/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/29/2010 | 4/30/2010 |
| | | | **Sample Depth (ft bls):** | 22-24 | 0-2 | 25-27 | 0-2 | 20-22 | 0-2 |
| 4,4'-DDD | 13000 | 3.3 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| 4,4'-DDE | 8900 | 3.3 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| 4,4'-DDT | 7900 | 3.3 | | 1.3 U | 10.8 | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Aldrin | 97 | 5 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| alpha-BHC | 480 | 20 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| alpha-Chlordane | 4200 | 94 | | 1.3 U | 2.1 | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| beta-BHC | 360 | 36 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| delta-BHC | 100000 | 40 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Dieldrin | 200 | 5 | | 1.3 U | 2.3 | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Endosulfan I | 24000 | 2400 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Endosulfan II | 24000 | 2400 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Endosulfan sulfate | 24000 | 2400 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Endrin aldehyde | -- | -- | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Endrin ketone | -- | -- | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Endrin | 11000 | 14 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| gamma-BHC (Lindane) | 1300 | 100 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| gamma-Chlordane | -- | -- | | 1.3 U | 1.9 | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Heptachlor epoxide | -- | -- | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Heptachlor | 2100 | 42 | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Methoxychlor | -- | -- | | 1.3 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U |
| Toxaphene | -- | -- | | 16 U | 17 U | 19 U | 18 U | 17 U | 17 U |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

**Table 7E. Summary of Pesticides in Soil, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/kg) | NYSDEC Part 375 Restricted Residential | NYSDEC Part 375 Unrestricted Use | **Sample Designation:** | SB-9 | SB-10/MW-6 | SB-10/MW-6 | SB-11 | SB-11 |
|---|---|---|---|---|---|---|---|---|
| | | | **Sample Date:** | 4/30/2010 | 4/30/2010 | 4/30/2010 | 4/29/2010 | 4/29/2010 |
| | | | **Sample Depth (ft bls):** | 16-18 | 0-2 | 14-16 | 0-2 | 22-24 |
| 4,4'-DDD | 13000 | 3.3 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| 4,4'-DDE | 8900 | 3.3 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| 4,4'-DDT | 7900 | 3.3 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Aldrin | 97 | 5 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| alpha-BHC | 480 | 20 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| alpha-Chlordane | 4200 | 94 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| beta-BHC | 360 | 36 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| delta-BHC | 100000 | 40 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Dieldrin | 200 | 5 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Endosulfan I | 24000 | 2400 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Endosulfan II | 24000 | 2400 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Endosulfan sulfate | 24000 | 2400 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Endrin aldehyde | -- | -- | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Endrin ketone | -- | -- | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Endrin | 11000 | 14 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| gamma-BHC (Lindane) | 1300 | 100 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| gamma-Chlordane | -- | -- | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Heptachlor epoxide | -- | -- | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Heptachlor | 2100 | 42 | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Methoxychlor | -- | -- | | 1.2 U | 1.4 U | 1.3 U | 1.4 U | 1.4 U |
| Toxaphene | -- | -- | | 16 U | 17 U | 16 U | 18 U | 18 U |

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Restricted Residential Standards available
No comparison was made to NYSDEC Part 375 Unrestricted Use Standards

# TABLE 8

## Summary Table of Groundwater Analytical Data

See attached tables 8A through 8E

~~See Table 9~~

~~Include 6 NYCRR 703.5 numbers for comparison~~

**Table 8A. Summary of Volatile Organic Compounds in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | NYSDEC Class GA (µg/L) | **Sample Designation:** **Sample Date:** | MW-1 5/11/2010 | MW-2 5/11/2010 | MW-3 5/11/2010 | MW-4 5/11/2010 | MW-5 5/11/2010 | MW-5 DUP 5/11/2010 | MW-6 5/11/2010 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1,2,2-Tetrachloroethane | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | -- | -- | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | 1 | 1 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1-Dichloroethane | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1-Dichloroethene | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,2,3-Trichlorobenzene | 5 | 5 | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | 5 | 5 | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | 0.04 | 0.04 | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 1,2-Dibromoethane | 5 | 5 | | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,2-Dichlorobenzene | 3 | 3 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,2-Dichloroethane | 0.6 | 0.6 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,2-Dichloropropane | 1 | 1 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,3-Dichlorobenzene | 3 | 3 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,4-Dichlorobenzene | 3 | 3 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,4-Dioxane | -- | -- | | 130 U | 130 U | 130 U | 130 U | 130 U | 130 U | 130 U |
| 2-Butanone (MEK) | 50 | -- | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-Hexanone | 50 | -- | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone (MIBK) | -- | -- | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Acetone | 50 | -- | | 10 U | 10 U | 10 U | 3.1 J | 10 U | 10 U | 10 U |
| Benzene | 1 | 1 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Bromochloromethane | 5 | 5 | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | 50 | -- | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Bromoform | 50 | -- | | 4 U | 4 U | 4 U | 4 U | 4 U | 4 U | 4 U |
| Bromomethane | 5 | 5 | | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| Carbon disulfide | 60 | -- | | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| Carbon tetrachloride | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Chlorobenzene | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |

**Table 8A. Summary of Volatile Organic Compounds in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | NYSDEC Class GA (µg/L) | **Sample Designation:** **Sample Date:** | MW-1 5/11/2010 | MW-2 5/11/2010 | MW-3 5/11/2010 | MW-4 5/11/2010 | MW-5 5/11/2010 | MW-5 DUP 5/11/2010 | MW-6 5/11/2010 |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloroethane | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Chloroform | 7 | 7 | | 0.24 J | 0.25 J | 0.45 J | 1 U | 1 U | 1 U | 2.3 |
| Chloromethane | -- | -- | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| cis-1,2-Dichloroethene | 5 | 5 | | 0.47 J | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| cis-1,3-Dichloropropene | 5 | -- | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Cyclohexane | -- | -- | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | 50 | -- | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Dichlorodifluoromethane | 5 | 5 | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Isopropylbenzene | 5 | 5 | | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| m+p-Xylene | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Methyl acetate | -- | -- | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methylcyclohexane | -- | -- | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methylene chloride | 5 | 5 | | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| MTBE | 10 | -- | | 1 U | 1 U | 1 U | 0.47 J | 0.34 J | 0.31 J | 1 U |
| o-Xylene | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Styrene | 5 | 5 | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | 5 | 5 | | 1 U | 1.2 | 2.1 | 0.85 J | 1.1 | 1 | 1 U |
| Toluene | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| trans-1,2-Dichloroethene | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| trans-1,3-Dichloropropene | -- | -- | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Trichloroethene | 5 | 5 | | 2.8 | 1 U | 1.6 | 0.67 J | 1 U | 1 U | 1 U |
| Trichlorofluoromethane | 5 | 5 | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl chloride | 2 | 2 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Xylenes (total) | 5 | 5 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
Class GA- 6NYCRR Part 703.5 Class GA Groundwater Standards
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No standard available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
No comparison was made to 6NYCRR Part 703.5 Class GA Groundwater Standards

**Table 8B. Summary of Semivolatile Organic Compounds in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | NYSDEC Class GA (µg/L) | **Sample Designation:** **Sample Date:** | MW-1 5/11/2010 | MW-2 5/11/2010 | MW-3 5/11/2010 | MW-4 5/11/2010 | MW-5 5/11/2010 | MW-5 DUP 5/11/2010 | MW-6 5/11/2010 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2,4,5-Tetrachlorobenzene | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 2,2'-oxybis (1-chloropropane) | 5 | 5 | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 2,4,5-Trichlorophenol | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 2,4,6-Trichlorophenol | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 2,4-Dichlorophenol | 5 | 5 | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 2,4-Dimethylphenol | 50 | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 2,4-Dinitrophenol | 10 | -- | | 22 U | 23 U | 21 U | 22 U | 24 U | 23 U | 20 U |
| 2,4-Dinitrotoluene | 5 | 5 | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 2,6-Dinitrotoluene | 5 | 5 | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 2-Chloronaphthalene | 10 | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 2-Chlorophenol | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 2-Methylnaphthalene | -- | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| 2-Methylphenol | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 2-Nitroaniline | 5 | 5 | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 2-Nitrophenol | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 3&4-Methylphenol | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 3,3'-Dichlorobenzidine | 5 | 5 | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 3-Nitroaniline | 5 | 5 | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 4,6-Dinitro-2-methylphenol | -- | -- | | 22 U | 23 U | 21 U | 22 U | 24 U | 23 U | 20 U |
| 4-Bromophenyl phenyl ether | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 4-Chloro-3-methylphenol | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 4-Chloroaniline | 5 | 5 | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 4-Chlorophenyl phenyl ether | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| 4-Nitroaniline | 5 | 5 | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| 4-Nitrophenol | -- | -- | | 11 U | 11 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| Acenaphthene | 20 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Acenaphthylene | 20 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Acetophenone | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Anthracene | 50 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Atrazine | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| Benzaldehyde | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| Benzo[a]anthracene | 0.002 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Benzo[a]pyrene | 0 | 0 | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Benzo[b]fluoranthene | 0.002 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Benzo[g,h,i]perylene | -- | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Benzo[k]fluoranthene | 0.002 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Bis(2-chloroethoxy)methane | 5 | 5 | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Bis(2-chloroethyl) ether | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Bis(2-ethylhexyl) phthalate | 5 | 5 | | 2.2 U | 2.3 U | 2.1 U | 2.6 | 2.4 U | 1.9 J | 2 U |
| Butylbenzyl phthalate | 50 | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |

**Table 8B. Summary of Semivolatile Organic Compounds in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | NYSDEC Class GA (µg/L) | **Sample Designation:** **Sample Date:** | MW-1 5/11/2010 | MW-2 5/11/2010 | MW-3 5/11/2010 | MW-4 5/11/2010 | MW-5 5/11/2010 | MW-5 DUP 5/11/2010 | MW-6 5/11/2010 |
|---|---|---|---|---|---|---|---|---|---|---|
| Caprolactam | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Carbazole | -- | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Chrysene | 0.002 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Dibenzo[a,h]anthracene | -- | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Dibenzofuran | -- | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| Diethyl phthalate | 50 | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Dimethyl phthalate | 50 | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Di-n-butyl phthalate | 50 | 50 | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Di-n-octyl phthalate | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Diphenyl | -- | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Fluoranthene | 50 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Fluorene | 50 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Hexachlorobenzene | 0.04 | 0.04 | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Hexachlorobutadiene | 0.5 | 0.5 | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Hexachlorocyclopentadiene | 5 | 5 | | 22 U | 23 U | 21 U | 22 U | 24 U | 23 U | 20 U |
| Hexachloroethane | 5 | 5 | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Indeno[1,2,3-cd]pyrene | 0.002 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Isophorone | 50 | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Naphthalene | 10 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |
| Nitrobenzene | 0.4 | 0.4 | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| n-Nitrosodi-n-propylamine | -- | -- | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| n-Nitrosodiphenylamine | 50 | -- | | 5.4 U | 5.7 U | 5.3 U | 5.4 U | 5.9 U | 5.7 U | 5 U |
| Pentachlorophenol | 1 | 1 | | 11 U | 11 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| Phenanthrene | 50 | -- | | 1.1 U | 1.1 U | 1.1 U | 0.5 J | 1.2 U | 1.1 U | 1 U |
| Phenol | 1 | 1 | | 2.2 U | 2.3 U | 2.1 U | 2.2 U | 2.4 U | 2.3 U | 2 U |
| Pyrene | 50 | -- | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U | 1 U |

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µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No standard available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
No comparison was made to 6NYCRR Part 703.5 Class GA Groundwater Standards

**Table 8C. Summary of Metals in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | NYSDEC Class GA (µg/L) | **Sample Designation:** **Sample Date:** | MW-1 5/11/2010 | MW-1 5/11/2010 Filtered | MW-2 5/11/2010 | MW-2 5/11/2010 Filtered | MW-3 5/11/2010 | MW-3 5/11/2010 Filtered |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | -- | -- | | 29400 | 200 U | 9190 | 200 U | 32700 | 200 U |
| Antimony | 3 | 3 | | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U |
| Arsenic | 25 | 25 | | 3 U | 8 U | 3 U | 8 U | 6 U | 8 U |
| Barium | 1000 | 1000 | | 390 | 200 U | 216 | 200 U | 387 | 200 U |
| Beryllium | 3 | -- | | 1.8 | 1 U | 1 U | 1 U | 1.9 | 1 U |
| Cadmium | 5 | 5 | | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U |
| Calcium | -- | -- | | 95900 | 112000 | 58300 | 74100 | 76400 | 68800 |
| Chromium | 50 | 50 | | **87.8** | 10 U | 32.5 | 10 U | **84.5** | 10 U |
| Cobalt | -- | -- | | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| Copper | 200 | 200 | | 90.3 | 10 U | 41.4 | 10 U | 97.6 | 10 U |
| Iron | -- | -- | | 53000 | 100 U | 29300 | 100 U | 76600 | 506 |
| Lead | 25 | 25 | | 21.7 | 3 U | **41.3** | 3 U | 19.4 | 3 U |
| Magnesium | -- | -- | | 37000 | 35300 | 9950 | 10100 | 36000 | 24400 |
| Manganese | 300 | 300 | | **4010** | **3460** | **870** | **855** | **2270** | **689** |
| Mercury | 0.7 | 0.7 | | 0.4 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| Nickel | 100 | 100 | | **102** | 11.1 | 28.2 | 11.4 | 79.3 | 10 U |
| Potassium | -- | -- | | 13300 | 10000 U | 10700 | 11200 | 14000 | 10000 U |
| Selenium | 10 | 10 | | 20 U | 10 U | 10 U | 10 U | 20 U | 10 U |
| Silver | 50 | 50 | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Sodium | 20000 | 20000 | | **218000** | **278000** | **37500** | **51900** | **64900** | **73900** |
| Thallium | 0.5 | -- | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Vanadium | -- | -- | | 67.8 | 50 U | 50 U | 50 U | 87.7 | 50 U |
| Zinc | 2000 | -- | | 112 | 20 U | 68.5 | 20 U | 149 | 48.4 |

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
Class GA- 6NYCRR Part 703.5 Class GA Groundwater Standards
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J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No standard available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
No comparison was made to 6NYCRR Part 703.5 Class GA Groundwater Standards

**Table 8C. Summary of Metals in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | NYSDEC Class GA (µg/L) | **Sample Designation:** **Sample Date:** | MW-4 5/11/2010 | MW-4 5/11/2010 Filtered | MW-5 5/11/2010 | MW-5 5/11/2010 Filtered | MW-5 DUP 5/11/2010 | MW-5 DUP 5/11/2010 Filtered |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | -- | -- | | 4830 | 200 U | 90800 | 200 U | 234000 | 200 U |
| Antimony | 3 | 3 | | 6 U | 6 U | 12 U | 6 U | 30 U | 6 U |
| Arsenic | 25 | 25 | | 3 U | 8 U | 32 U | 3 U | **43.8** | 8 U |
| Barium | 1000 | 1000 | | 200 U | 200 U | 911 | 200 U | **2230** | 200 U |
| Beryllium | 3 | -- | | 1 U | 1 U | **6.2** | 1 U | **14.5** | 1 U |
| Cadmium | 5 | 5 | | 3 U | 3 U | 6 U | 3 U | 15 U | 3 U |
| Calcium | -- | -- | | 40300 | 61400 | 165000 | 125000 | 171000 | 114000 |
| Chromium | 50 | 50 | | 11.9 | 10 U | **259** | 10 U | **640** | 10 U |
| Cobalt | -- | -- | | 50 U | 50 U | 100 U | 50 U | 257 | 50 U |
| Copper | 200 | 200 | | 29 | 10 U | **242** | 10 U | **626** | 10 U |
| Iron | -- | -- | | 8080 | 100 U | 236000 | 100 U | 481000 | 100 U |
| Lead | 25 | 25 | | 4 | 3 U | **79.3** | 3 U | **194** | 3 U |
| Magnesium | -- | -- | | 16000 | 22700 | 84500 | 44900 | 125000 | 41100 |
| Manganese | 300 | 300 | | **623** | **647** | **7200** | **3930** | **15000** | **4590** |
| Mercury | 0.7 | 0.7 | | 0.2 U | 0.2 U | 0.8 U | 0.2 U | 0.8 U | 0.2 U |
| Nickel | 100 | 100 | | 13.1 | 10 U | **239** | 13.8 | **592** | 15 |
| Potassium | -- | -- | | 10000 U | 10000 U | 25400 | 10000 U | 63300 | 10000 U |
| Selenium | 10 | 10 | | 10 U | 10 U | 40 U | 10 U | 100 U | 10 U |
| Silver | 50 | 50 | | 10 U | 10 U | 20 U | 10 U | 50 U | 10 U |
| Sodium | 20000 | 20000 | | **29400** | **48400** | **42400** | **54400** | 50000 U | **52600** |
| Thallium | 0.5 | -- | | 10 U | 10 U | 20 U | 10 U | 50 U | 10 U |
| Vanadium | -- | -- | | 50 U | 50 U | 247 | 50 U | 554 | 50 U |
| Zinc | 2000 | -- | | 44.6 | 20 U | 413 | 30.1 | 984 | 20 U |

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
Class GA- 6NYCRR Part 703.5 Class GA Groundwater Standards
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No standard available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
No comparison was made to 6NYCRR Part 703.5 Class GA Groundwater Standards

**Table 8C. Summary of Metals in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | NYSDEC Class GA (µg/L) | **Sample Designation:** **Sample Date:** | MW-6 5/11/2010 | MW-6 5/11/2010 Filtered |
|---|---|---|---|---|---|
| Aluminum | -- | -- | | 46100 | 200 U |
| Antimony | 3 | 3 | | 6 U | 6 U |
| Arsenic | 25 | 25 | | 8 | 8 U |
| Barium | 1000 | 1000 | | 932 | 200 U |
| Beryllium | 3 | -- | | 2.5 | 1 U |
| Cadmium | 5 | 5 | | 4.5 | 3 U |
| Calcium | -- | -- | | 77200 | 77200 |
| Chromium | 50 | 50 | | **165** | 10 U |
| Cobalt | -- | -- | | 50 U | 50 U |
| Copper | 200 | 200 | | 119 | 10 U |
| Iron | -- | -- | | 131000 | 100 U |
| Lead | 25 | 25 | | **2380** | 10.4 |
| Magnesium | -- | -- | | 18600 | 6420 |
| Manganese | 300 | 300 | | **1500** | **511** |
| Mercury | 0.7 | 0.7 | | **1.3** | 0.2 U |
| Nickel | 100 | 100 | | 81.2 | 13.7 |
| Potassium | -- | -- | | 26100 | 12500 |
| Selenium | 10 | 10 | | 20 U | 10 U |
| Silver | 50 | 50 | | 10 U | 10 U |
| Sodium | 20000 | 20000 | | **105000** | **131000** |
| Thallium | 0.5 | -- | | 10 U | 10 U |
| Vanadium | -- | -- | | 143 | 50 U |
| Zinc | 2000 | -- | | 691 | 31 |

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
Class GA- 6NYCRR Part 703.5 Class GA Groundwater Standards
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No standard available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
No comparison was made to 6NYCRR Part 703.5 Class GA Groundwater Standards

**Table 8D. Summary of Polychlorinated Biphenyls in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | **Sample Designation:** **Sample Date:** | MW-1 5/11/2010 | MW-2 5/11/2010 | MW-3 5/11/2010 | MW-4 5/11/2010 | MW-5 5/11/2010 | MW-5 DUP 5/11/2010 | MW-6 5/11/2010 |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Aroclor-1221 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Aroclor-1232 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Aroclor-1242 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Aroclor-1248 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Aroclor-1254 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Aroclor-1260 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Aroclor-1262 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Aroclor-1268 | -- | | 0.63 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.63 U | 0.57 U |
| Total PCBs | 0.09 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

**Table 8E. Summary of Pesticides in Groundwater, One Fulton Square, 133-42 39th Avenue, Flushing, New York**

| Parameter (Concentrations in µg/L) | NYSDEC AWQSGVs (µg/L) | NYSDEC Class GA (µg/L) | **Sample Designation:** **Sample Date:** | MW-1 5/11/2010 | MW-2 5/11/2010 | MW-3 5/11/2010 | MW-4 5/11/2010 | MW-5 5/11/2010 | MW-5 DUP 5/11/2010 | MW-6 5/11/2010 |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 0.3 | 0.3 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| 4,4'-DDE | 0.2 | 0.2 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| 4,4'-DDT | 0.2 | 0.2 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Aldrin | 0 | 0 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| alpha-BHC | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| alpha-Chlordane | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| beta-BHC | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| delta-BHC | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Dieldrin | 0.004 | 0.004 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Endosulfan I | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Endosulfan II | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Endosulfan sulfate | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Endrin aldehyde | 5 | 5 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Endrin ketone | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Endrin | 0 | 0 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| gamma-BHC (Lindane) | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| gamma-Chlordane | -- | -- | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Heptachlor epoxide | 0.03 | 0.03 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Heptachlor | 0.04 | 0.04 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Methoxychlor | 35 | 35 | | 0.025 U | 0.022 U | 0.022 U | 0.022 U | 0.022 U | 0.025 U | 0.023 U |
| Toxaphene | 0.06 | 0.06 | | 0.31 U | 0.28 U | 0.27 U | 0.28 U | 0.28 U | 0.31 U | 0.29 U |

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
Class GA- 6NYCRR Part 703.5 Class GA Groundwater Standards
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No standard available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
No comparison was made to 6NYCRR Part 703.5 Class GA Groundwater Standards

# ~~TABLE 9~~

## ~~Summary of Soil Vapor Analytical Data~~

~~See table above~~

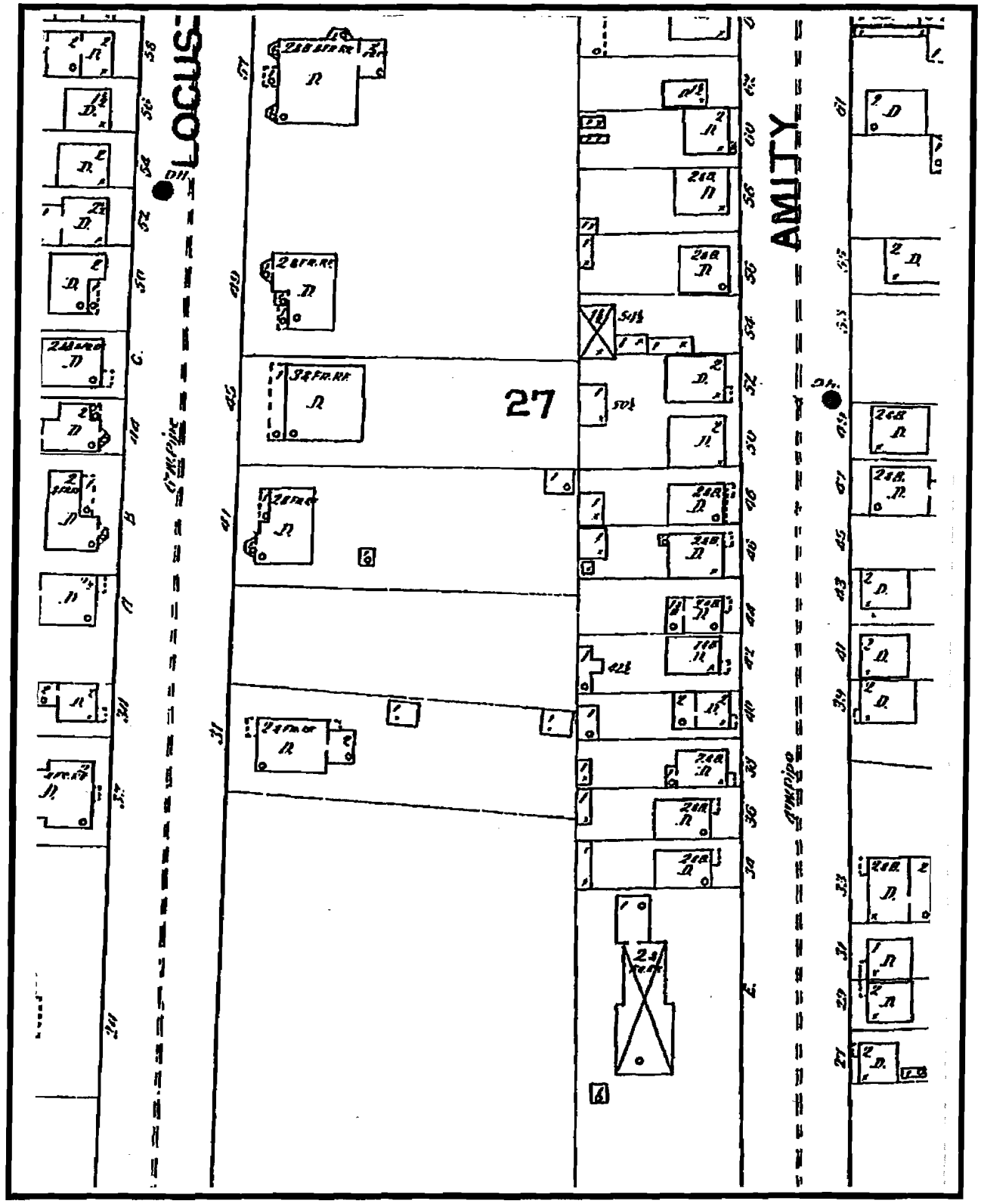
# ~~TABLE 10~~

# ~~Ranked Data Tables for Soil Samples~~

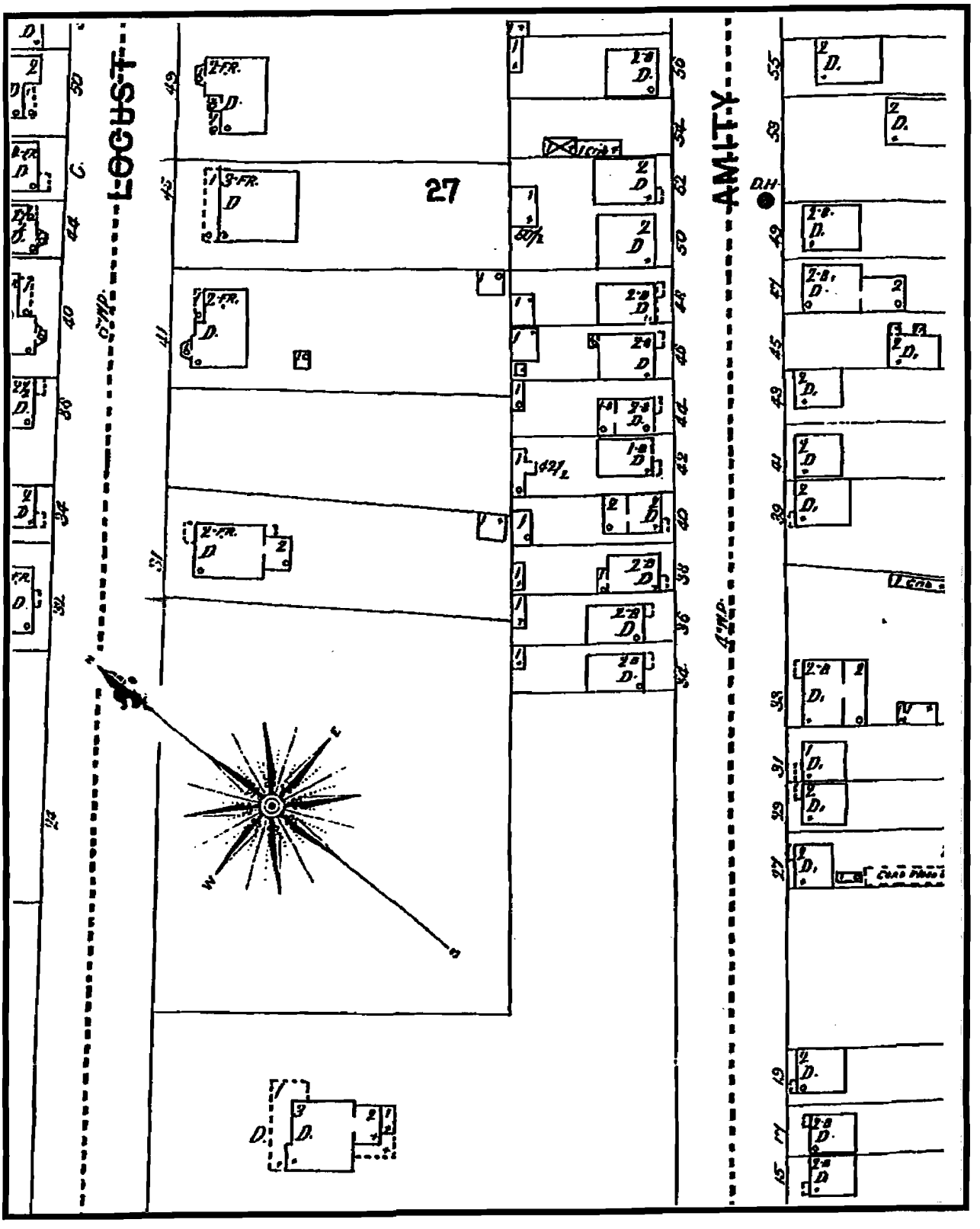
~~Insert example~~

# APPENDIX A

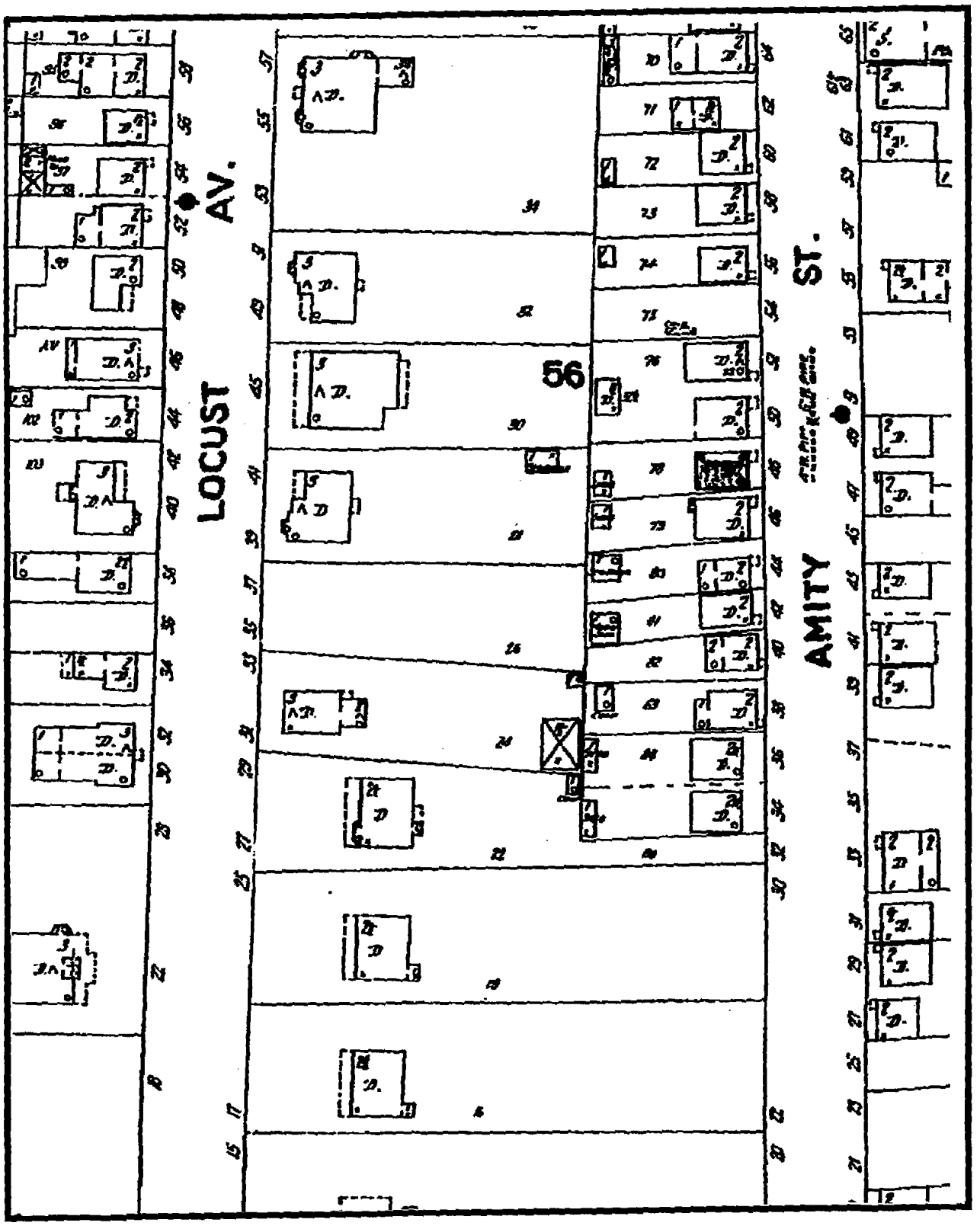
## Fire Insurance (Sanborn) Maps & Aerial Photographs



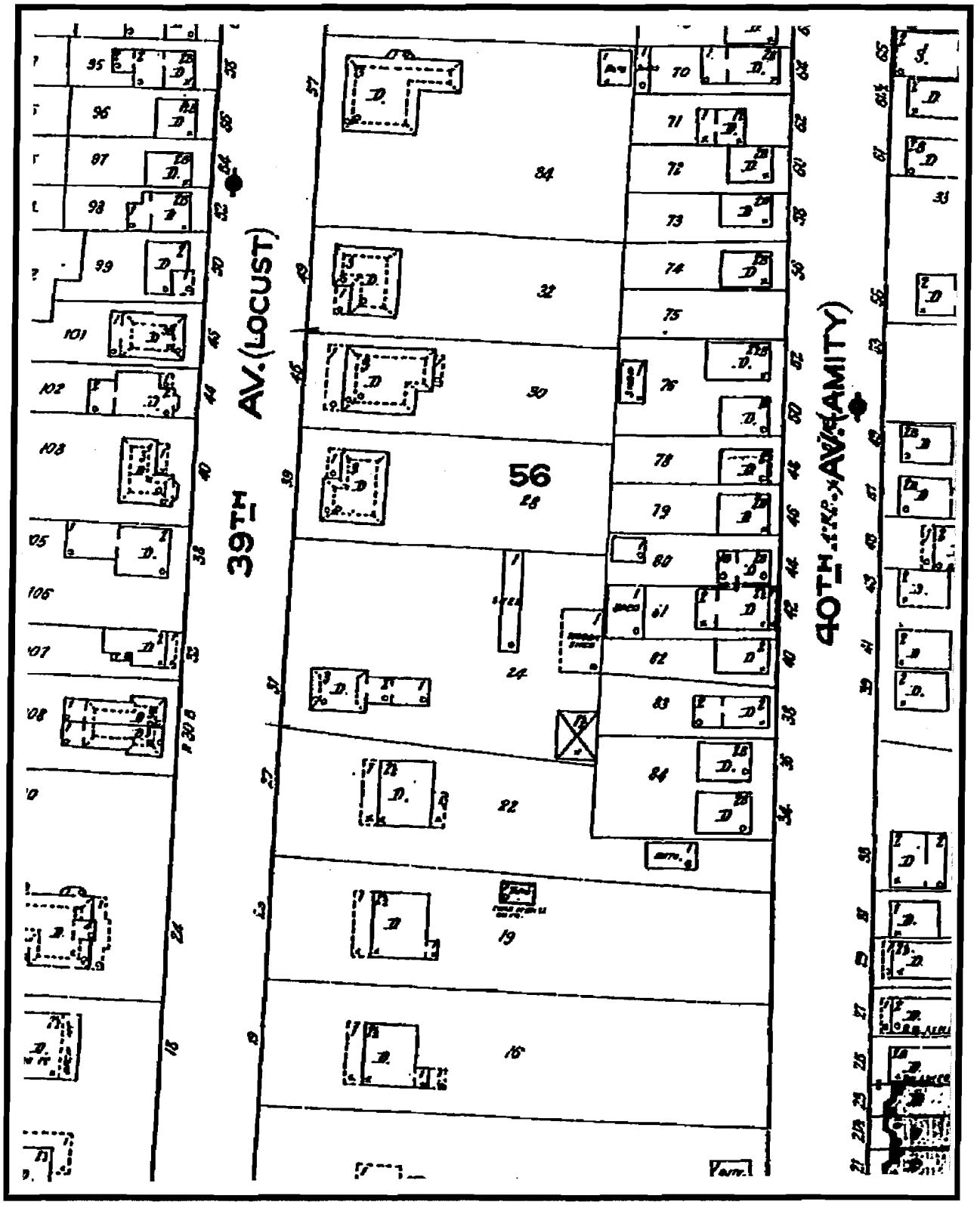

Sanborn Fire Insurance Company Map
1892



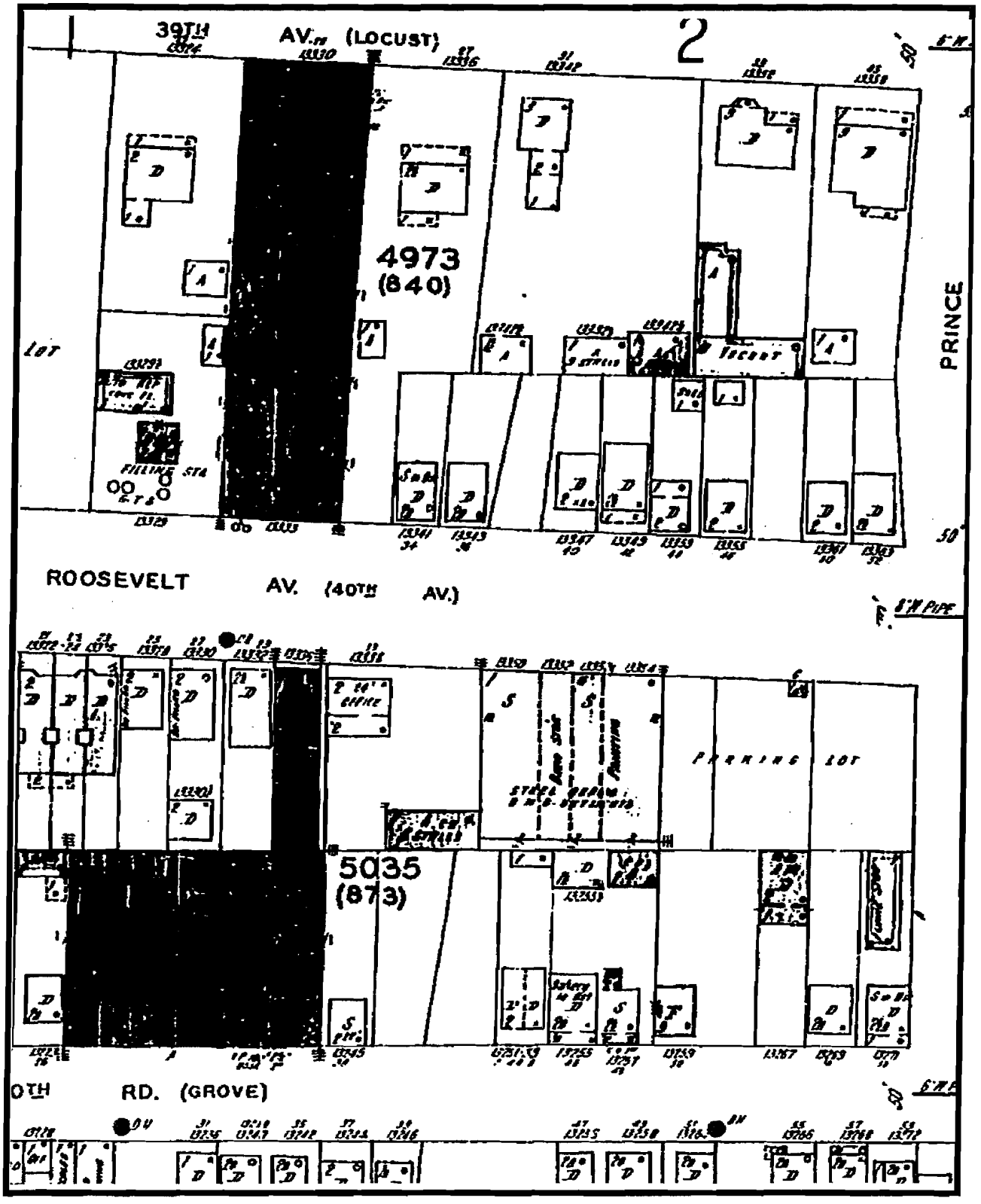

Sanborn Fire Insurance Company Map
1897



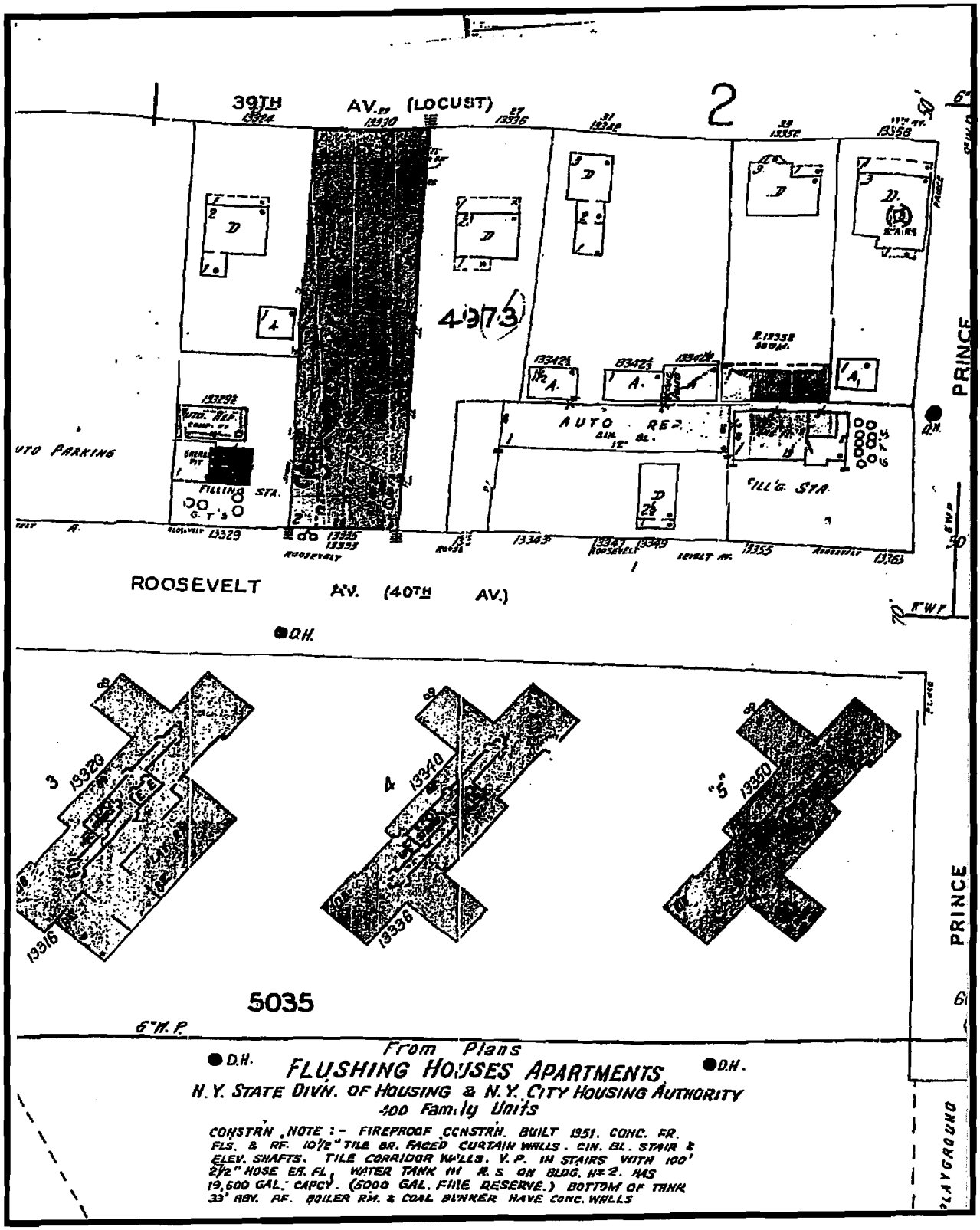

Sanborn Fire Insurance Company Map
1903



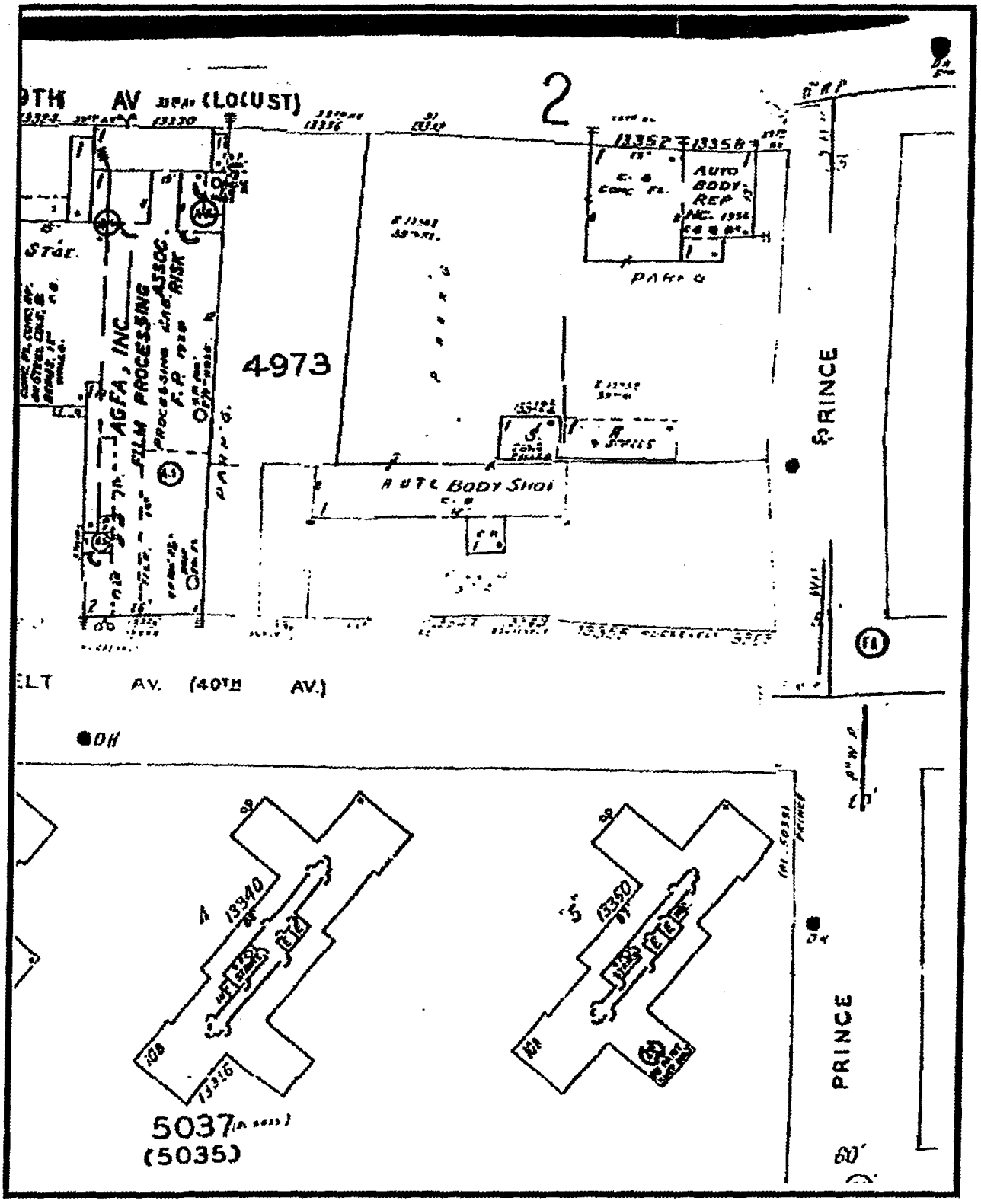

Sanborn Fire Insurance Company Map
1917



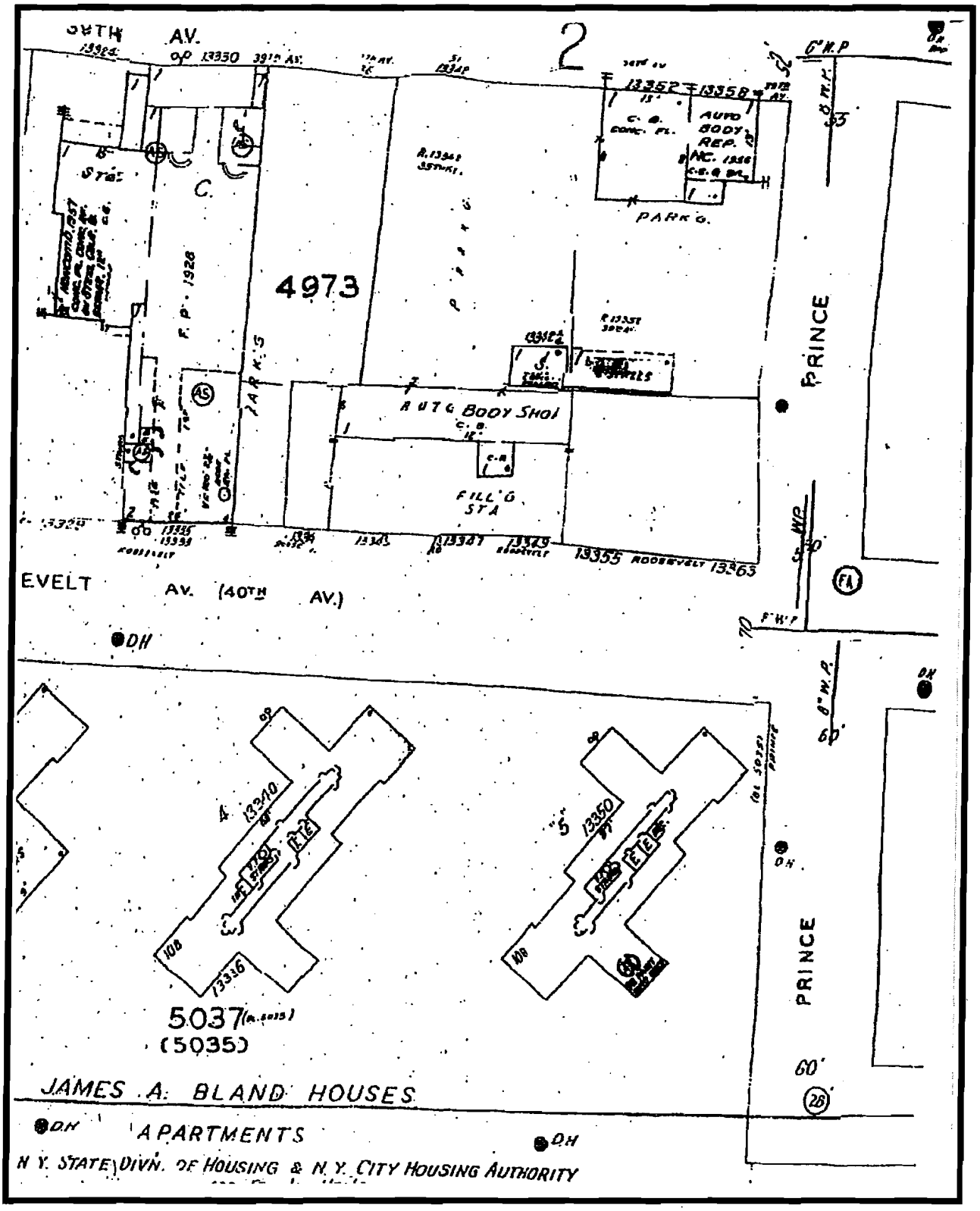

Sanborn Fire Insurance Company Map
1934



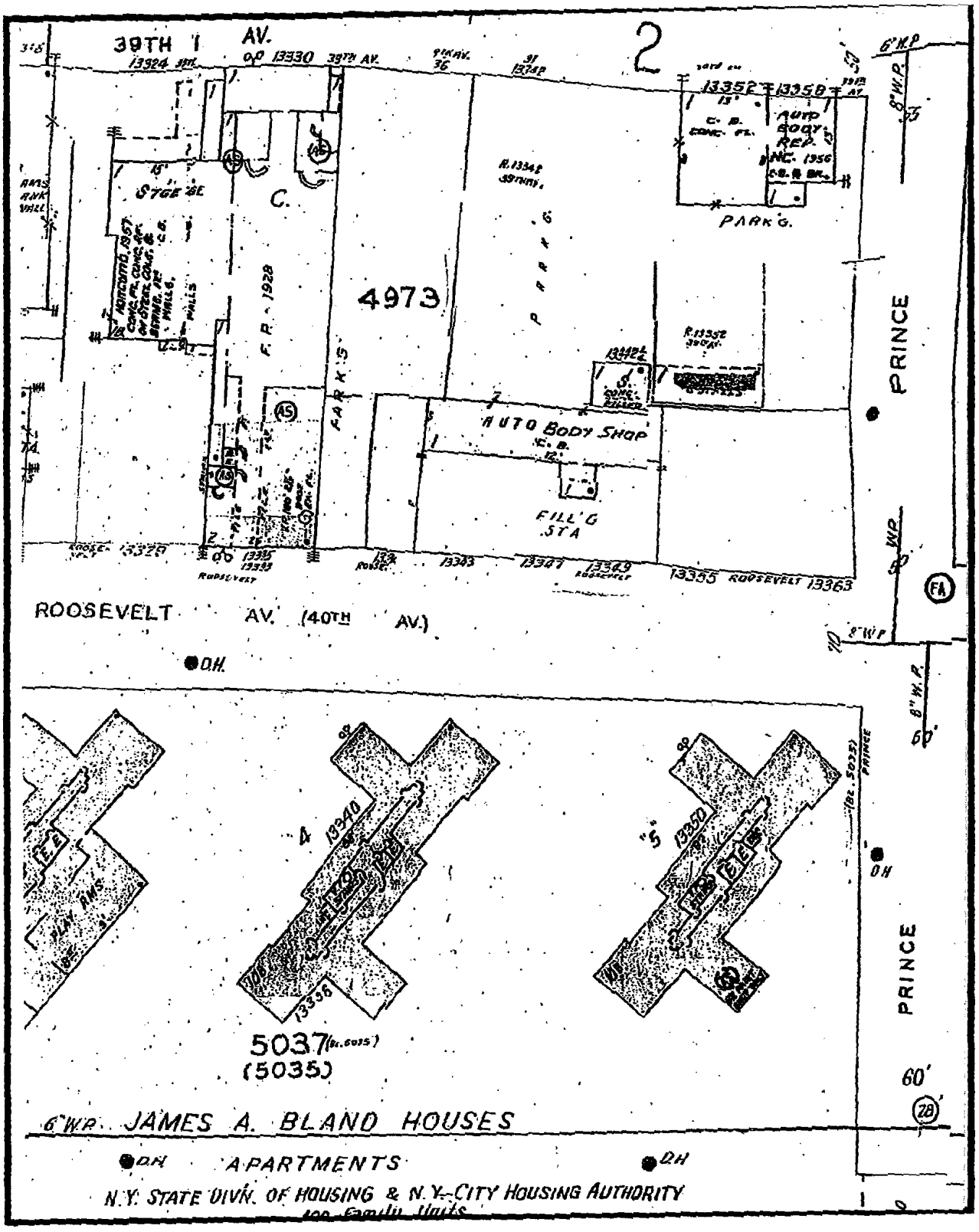

Sanborn Fire Insurance Company Map
1951



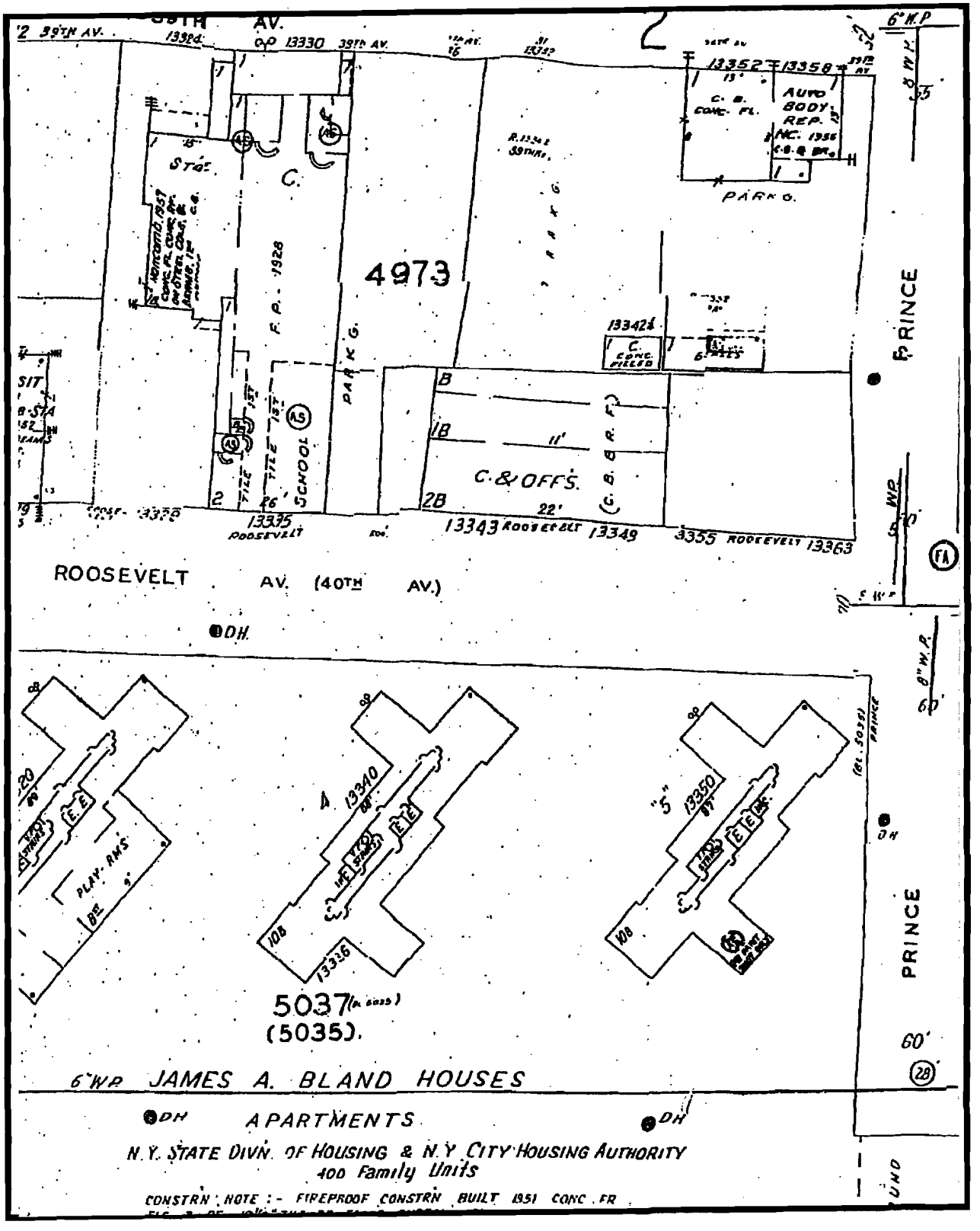

Sanborn Fire Insurance Company Map
1980



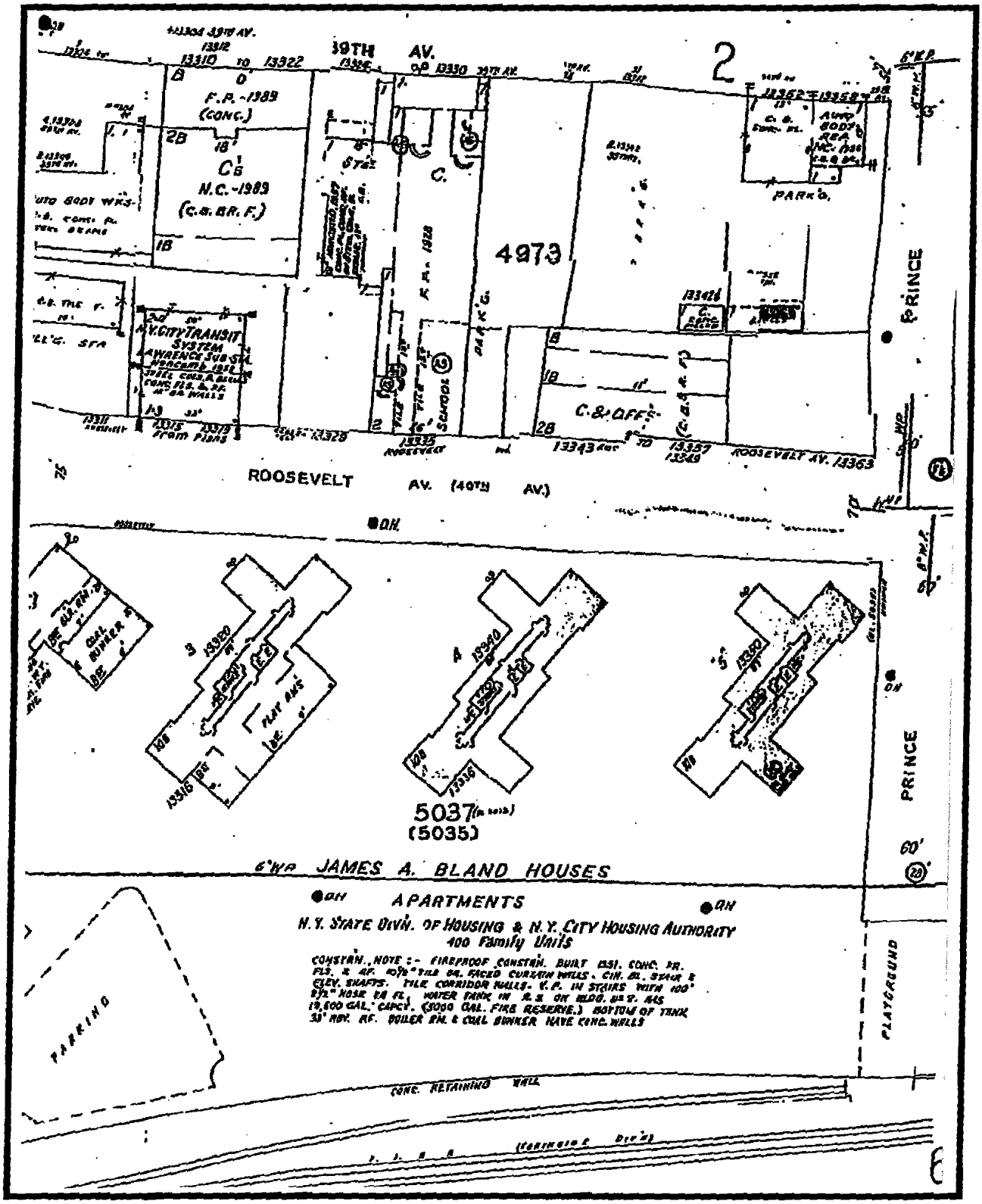

Sanborn Fire Insurance Company Map
1982



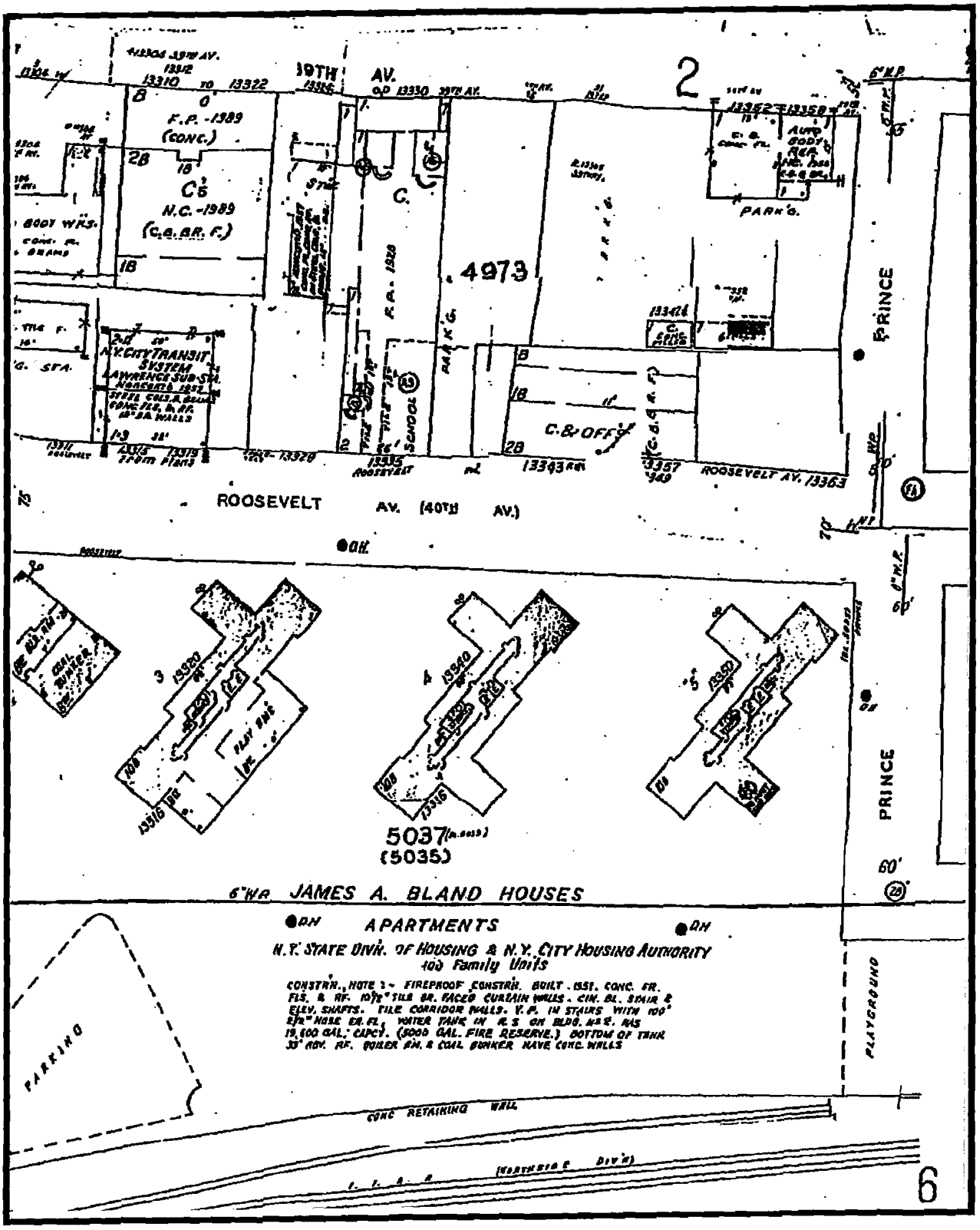

Sanborn Fire Insurance Company Map
1985



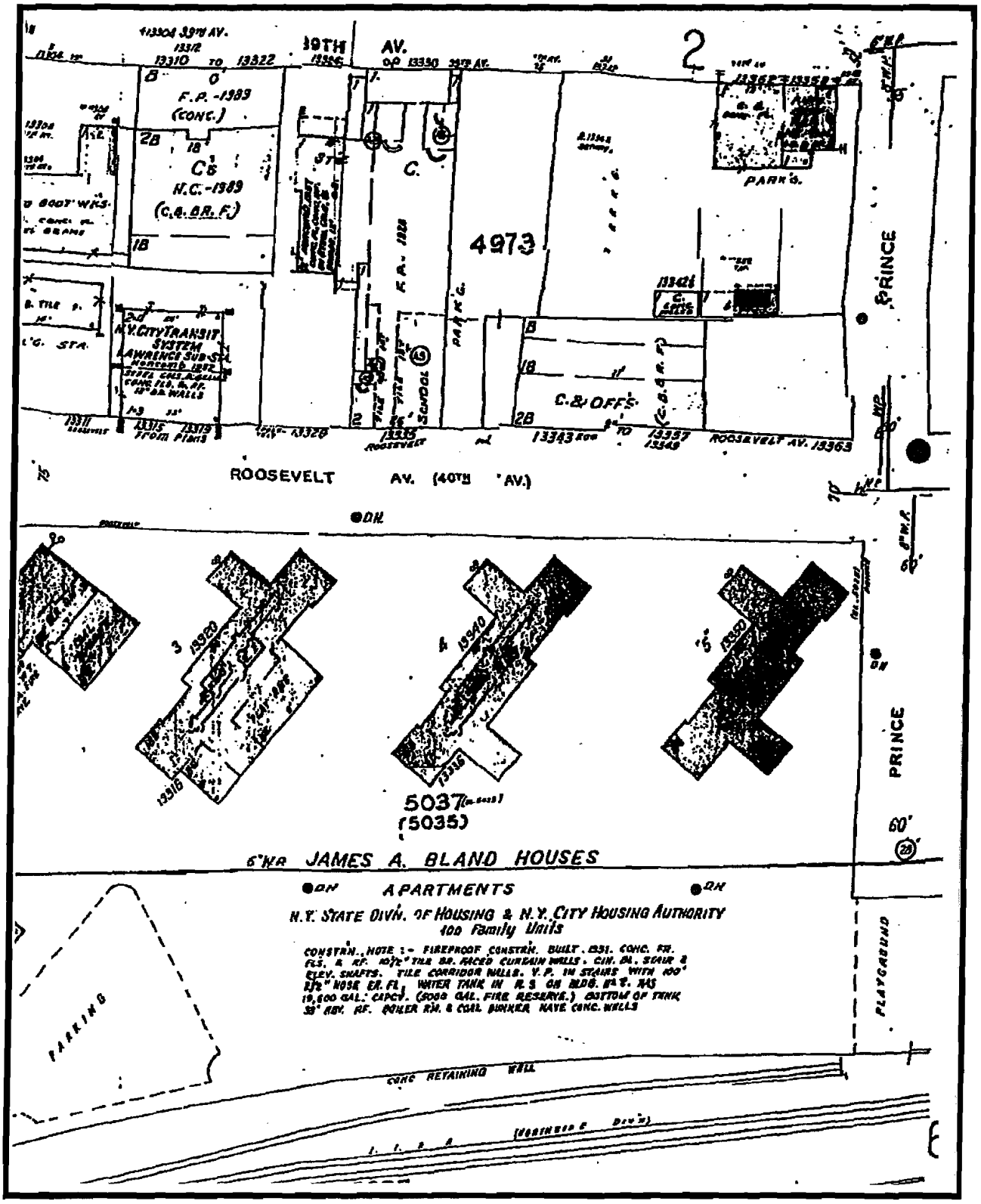

Sanborn Fire Insurance Company Map
1988



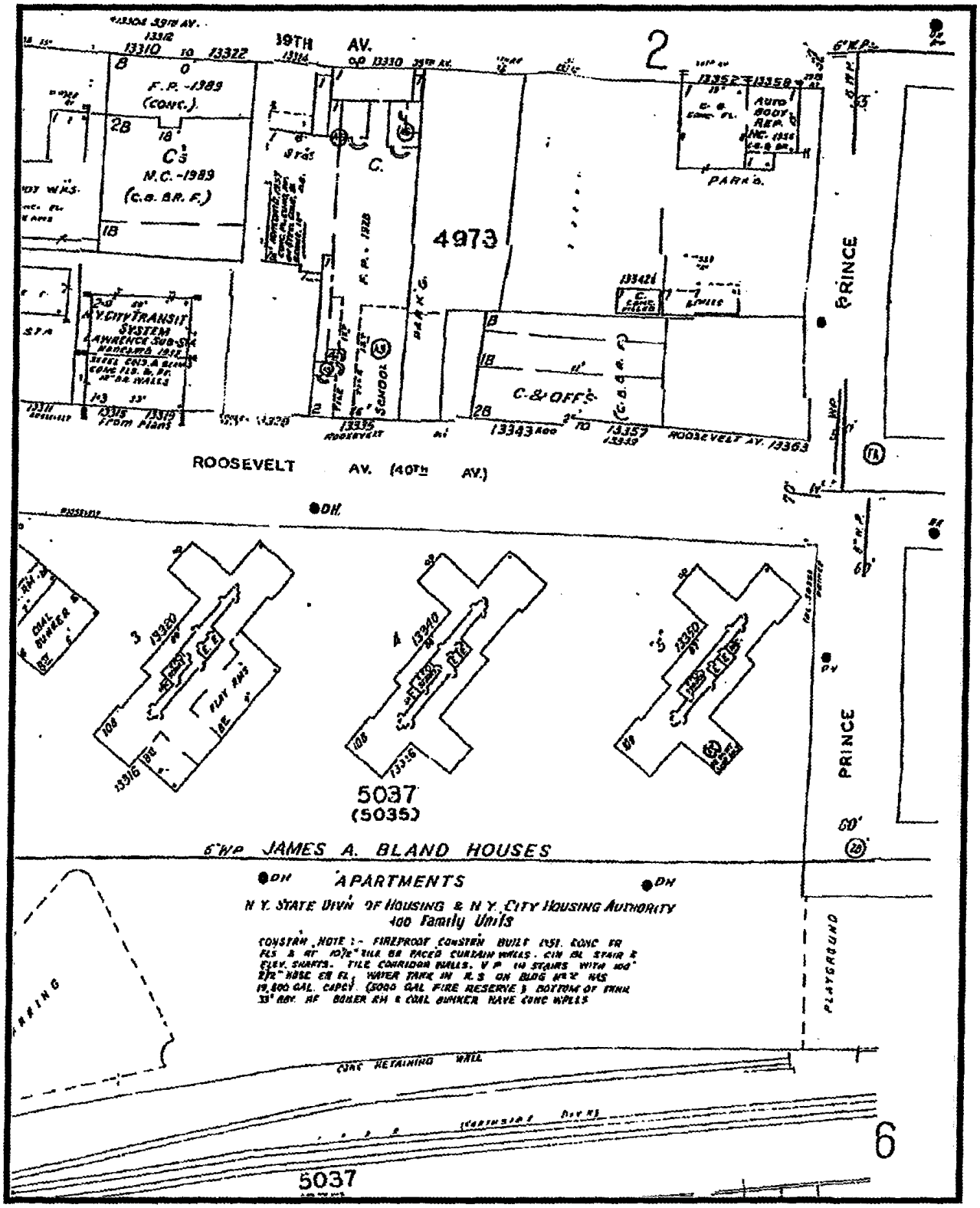

Sanborn Fire Insurance Company Map
1991



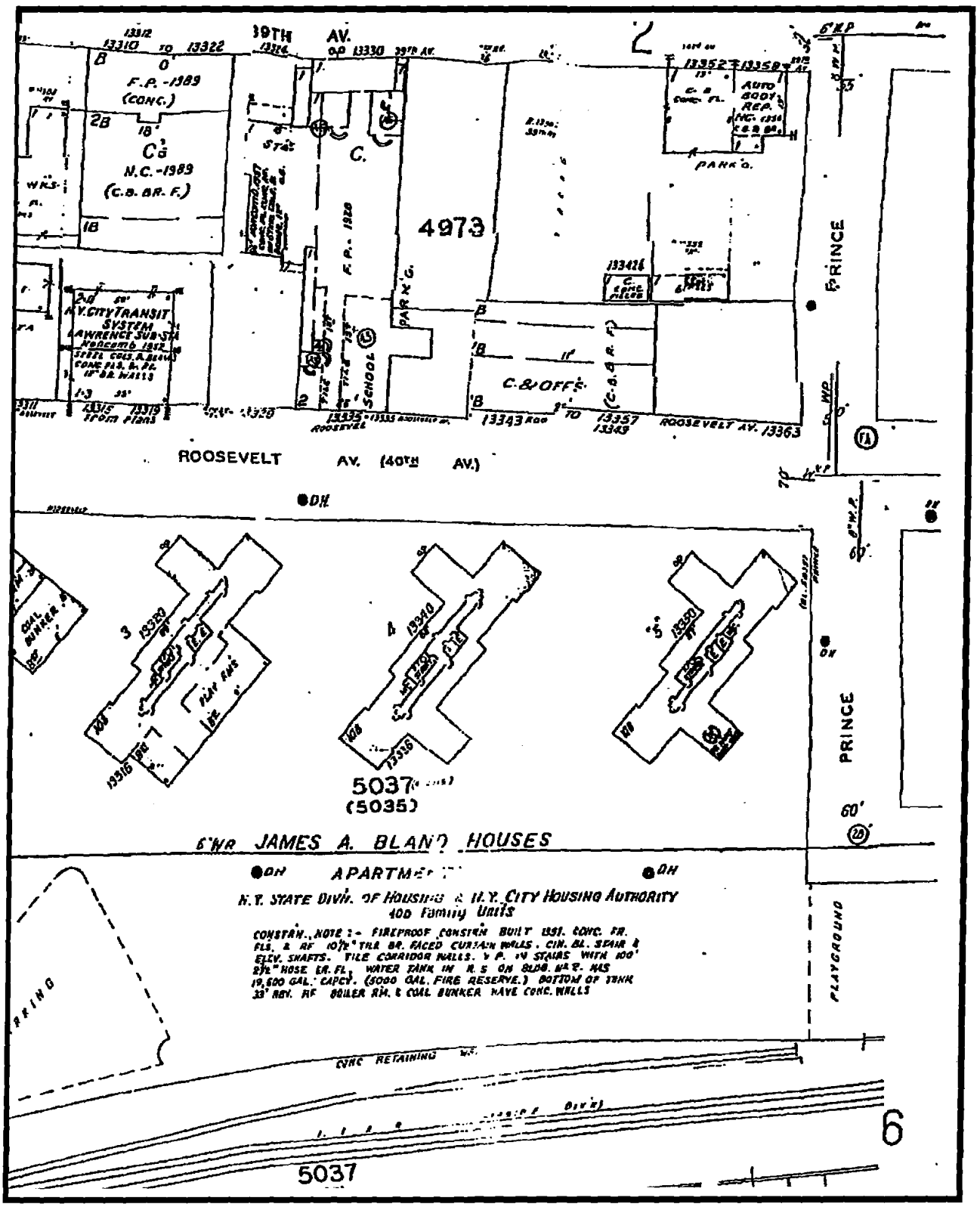

Sanborn Fire Insurance Company Map
1992




Sanborn Fire Insurance Company Map
1993




Sanborn Fire Insurance Company Map
1994




Sanborn Fire Insurance Company Map
1995

# APPENDIX B

## Previous IRM Reports

# APPENDIX C

## Project Organization, Chart, Resumes and Contact Information for Key Personnel

# APPENDIX D

## Health and Safety Plan

# Sampling Health and Safety Plan

## Training

All Site personnel who will perform work in areas where there exists the potential for toxic exposure will be health and safety trained prior to performing work onsite per OSHA (29 CFR 1910.120(e)). All record keeping requirements mandated by OSHA (29 CFR 1910.120) will be followed and maintained by the SHSO onsite.

## Required Personal Protective Equipment For All Work at All Times

- A hard hat
- Steel-toed safety boots
- A reflective traffic vest
- Safety Glasses/ Eye protection
- Appropriate hand protection

## Additional PPE that may be required depending upon specific tasks and conditions:

- Tyvek coveralls;
- Respiratory Protection;
- Hearing Protection when near operating machinery or equipment;
- Work Gloves for any tasks involving pinch point or cut hazards;
- Air-purifying respirator for hazardous atmospheres; and
- Nitrile gloves for any tasks involving contact with contamination hazards.

## Safety Highlights for Site Operations

- Field staff shall begin each day's activities with a tailgate meeting and a discussion of site-specific hazards and safety requirements. The meeting will be led by a Roux Associates, Inc. field manager or lead site technician. No work will begin prior to this meeting.

- Safe Performance Self Assessments (SPSAs) must be performed by all personnel for all work tasks throughout the day. ASSESS the risks, ANALYZE how to eliminate the risks, ACT to ensure safe operations.

- Job Safety Analysis (JSA) forms must be reviewed prior to performing work tasks. If certain tasks don't have a JSA, the daily JSA form should be used to organize thoughts regarding job steps, hazards and critical actions for safe operations.

- Automobile Safety, Vehicular Traffic Safety Procedures, and Heavy Equipment Safety – it is important to continually be aware of the equipment and vehicular traffic around you. Any work in an area with potential for vehicular traffic must be secured and defined using 48-inch high traffic cones.

- Slip / Trip Hazards - Uneven terrain and equipment/materials may present slip / trip hazards across much of the Site area.

- Every worker has the right and obligation to intervene if they witness unsafe conditions or work practices!

- All field staff must review and become familiar with the information on the attached material safety data sheets (MSDS's) for gasoline, benzene, ethyl benzene, toluene, xylene, and PCBs.

***IF IT'S NOT SAFE, DON'T DO IT.***

***Any environmental or safety incident (including near losses) must be reported immediately to one of the Roux Associates listed below.***

| **Roux / Top 8 Response Personnel** | **Name** | **Telephone / *Cell* Numbers** |
|---|---|---|
| Project Manager (Roux Associates) | Jessica Diminich | (631) 232-2600 / *(631) 831-4205* |
| Corporate Health and Safety Manager | Joe Gentile | (856) 423-8800 / *(610) 844-6911* |
| Client Contact | Thomas Barone | |
| Client Representative | Earl Tockman | (718) 713-0267 / (917) 414-3000 |

Multiple emergency services may be obtained from 911. More specific numbers for local services are listed below.

| **Emergency Services** | **Name** | **Telephone Numbers** |
|---|---|---|
| Police | 109th Precinct | (718) 321-2250 |
| Fire | Engine 273/Ladder 129 | 911 |
| Hospital (map attached) | New York Hospital Queens (formerly Booth Memorial Hospital) | (718) 670-2000 |

**Date Reviewed:** April 9, 2010

## DIRECTIONS TO HOSPITAL

- Start out going Southwest on 39th Ave. towards College Point Blvd.
- Turn Left onto College Point Blvd.
- Turn Left onto Maple Ave.
- Turn Right onto Main St.
- Hospital is on the Right.

Title:

# HOSPITAL ROUTE MAP

NEW YORK MEDICAL CENTER
(FORMERLY BOOTH MEMORIAL HOSPITAL)
56-45 MAIN STREET, FLUSHING, NEW YORK

Prepared for:

TOP 8 CONSTRUCTION

ROUX
ROUX ASSOCIATES, INC.
*Environmental Consulting & Management*

| | | |
|---|---|---|
| Compiled by: BH | Date: 02FEB10 | FIGURE |
| Prepared by: GM | Scale: AS SHOWN | 3 |
| Project Mgr.: BH | Project No.: 1633Y.0005.000 | |
| File: TDC0510203.CDR | | |

N:\PROJECT\TDC1639\TDC05Y\102\TDC021020 3.CDR

# Block 4972, Lots 24 and 37, Flushing, NY
# JOB SAFETY ANALYSIS Revised April 19, 2010

| COMPANY/ PROJECT NAME or ID/ LOCATION ( City, State) | DATE | ☐ NEW | PAGE 1 of 1 |
|---|---|---|---|
| Top 8/Block 4972, Lots 24 and 37, Flushing, NY | 01/22/10 | ☒ REVISED | Roux Control No.: **0227** |

WORK ACTIVITY (Description):

**Soil Borings, Monitoring Well Installation, and Groundwater Sampling**

| DEVELOPMENT TEAM | POSITION / TITLE | REVIEWED BY: | POSITION / TITLE |
|---|---|---|---|
| Bill Holubowich | Senior Scientist | Jessica Diminich | Project Hydrogeologist |
| Jessica Diminich | Project Hydrogeologist | | |

**MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT ( SEE CRITICAL ACTIONS FOR TASK-SPECIFIC REQUIREMENTS)**

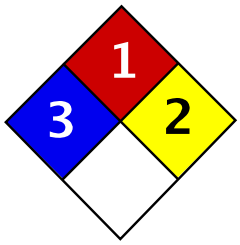
| | | | |
|---|---|---|---|
| ☒ REFLECTIVE VEST<br>☒ HARD HAT<br>☐ LIFELINE / HARNESS<br>☒ SAFETY GLASSES | ☒ SAFETY GLASSES<br>☐ FACE SHIELD<br>☒ HEARING PROTECTION<br>☒ SAFETY SHOES Steel-toed boots | ☐ AIR PURIFYING RESPIRATOR<br>☐ SUPPLIED RESPIRATOR<br>☒ PPE CLOTHING Level D PPE | ☒ GLOVES Work/Nitrile<br>☒ OTHER Reflective Vest<br>An Assistant is recommended |

| [1]JOB STEPS | [2]POTENTIAL HAZARDS | [3]CRITICAL ACTIONS TO MITIGATE HAZARDS |
|---|---|---|
| Mobilize to proposed location,and secure work area | **1. Vehicular:**<br>1a. Potential for high volume of vehicular traffic entering and exiting the parkiong lot.<br>**2. Fall:**<br>2a. Potential slip/trip/fall hazards | 1a. Ensure work area is secure and that there are no tools, equipment, vehicles, or persons in the work area that may be struck by vehicular traffic<br>2a. Use established pathways to access well locations.<br>2a. Remove or avoid tripping hazards from work area. |
| Install Soil Borings and Wells, and Sampling of Wells | **1. Contact:**<br>1a. Potential contact with soil/gw<br>**2. Fall:**<br>2a. Potential trip hazards associated with equipment and tools | 1a. Wear work gloves and eye protection.<br>2a. Identify areas where equipment is stored within the work area with traffic cones or caution tape. |
| Decon equipment | **1. Contact:**<br>1a. Potential contact with soil/gw<br>**2. Fall:**<br>2a. Potential trip hazards associated with equipment and tools | 1a. Wear work gloves and eye protection.<br>2a. Identify areas where equipment is stored within the work area with traffic cones or caution tape. |

[1] Each Job or Operation consists of a set of steps. Be sure to list all the steps in the sequence that they are performed. Specify the equipment or other details to set the basis for the associated hazards in Column 2

[2] A hazard is a potential danger. What can go wrong? How can someone get hurt? Consider, but do not limit, the analysis to: **Contact** - victim is struck by or strikes an object; **Caught** - victim is caught on, caught in or caught between objects; **Fall** - victim falls to ground or lower level (includes slips and trips); **Exertion** - excessive strain or stress / ergonomics / lifting techniques; **Exposure** - inhalation/skin hazards. Specify the hazards and do not limit the description to a single word such as "Caught"

[3] Aligning with the first two columns, describe what actions or procedures are necessary to eliminate or minimize the hazards. Be clear, concise and specific. Use objective, observable and quantified terms. Avoid subjective general statements such as, "be careful" or "use as appropriate".




| | |
|---|---|
| Health | 3 |
| Fire | 1 |
| Reactivity | 2 |
| Personal Protection | E |

# Material Safety Data Sheet
## Arsenic MSDS

## Section 1: Chemical Product and Company Identification

**Product Name:** Arsenic

**Catalog Codes:** SLA1006

**CAS#:** 7440-38-2

**RTECS:** CG0525000

**TSCA:** TSCA 8(b) inventory: Arsenic

**CI#:** Not applicable.

**Synonym:**

**Chemical Name:** Arsenic

**Chemical Formula:** As

**Contact Information:**

**Sciencelab.com, Inc.**
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

**CHEMTREC (24HR Emergency Telephone), call:**
1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

## Section 2: Composition and Information on Ingredients

**Composition:**

| Name | CAS # | % by Weight |
|---|---|---|
| Arsenic | 7440-38-2 | 100 |

**Toxicological Data on Ingredients:** Arsenic: ORAL (LD50): Acute: 763 mg/kg [Rat]. 145 mg/kg [Mouse].

## Section 3: Hazards Identification

**Potential Acute Health Effects:**
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

**Potential Chronic Health Effects:**
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to kidneys, lungs, the nervous system, mucous membranes.
Repeated or prolonged exposure to the substance can produce target organs damage.

## Section 4: First Aid Measures

**Eye Contact:**
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Serious Skin Contact:** Not available.

**Inhalation:**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:**
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

**Ingestion:**
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Some metallic oxides.

**Fire Hazards in Presence of Various Substances:** Flammable in presence of open flames and sparks, of heat, of oxidizing materials.

**Explosion Hazards in Presence of Various Substances:**
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:**
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:**
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits highly toxic fumes.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.

**Large Spill:**
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not

present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## Section 7: Handling and Storage

**Precautions:**
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:**
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:**
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:**
TWA: 0.01 from ACGIH (TLV) [United States] [1995]
Consult local authorities for acceptable exposure limits.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Solid. (Lustrous solid.)

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 74.92 g/mole

**Color:** Silvery.

**pH (1% soln/water):** Not applicable.

**Boiling Point:** Not available.

**Melting Point:** Sublimation temperature: 615°C (1139°F)

**Critical Temperature:** Not available.

**Specific Gravity:** 5.72 (Water = 1)

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Insoluble in cold water, hot water.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Reactive with oxidizing agents, acids, moisture.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** Acute oral toxicity (LD50): 145 mg/kg [Mouse].

**Chronic Effects on Humans:**
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH.
Causes damage to the following organs: kidneys, lungs, the nervous system, mucous membranes.

**Other Toxic Effects on Humans:**
Very hazardous in case of ingestion, of inhalation.
Slightly hazardous in case of skin contact (irritant).

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Not available.

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are as toxic as the original product.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:**

## Section 14: Transport Information

**DOT Classification:** CLASS 6.1: Poisonous material.

**Identification:** : Arsenic UNNA: UN1558 PG: II

**Special Provisions for Transport:** Not available.

## Section 15: Other Regulatory Information

**Federal and State Regulations:**
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Arsenic
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Arsenic
Pennsylvania RTK: Arsenic
Massachusetts RTK: Arsenic
TSCA 8(b) inventory: Arsenic

**Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications:**

**WHMIS (Canada):**
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

**DSCL (EEC):**
R22- Harmful if swallowed.
R45- May cause cancer.

**HMIS (U.S.A.):**

**Health Hazard:** 3

**Fire Hazard:** 1

**Reactivity:** 2

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 3

**Flammability:** 1

**Reactivity:** 2

**Specific hazard:**

**Protective Equipment:**
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Safety glasses.

## Section 16: Other Information

**References:**
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987.
-Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec.
-Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec.
-SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.
-The Sigma-Aldrich Library of Chemical Safety Data, Edition II.
-Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

**Other Special Considerations:** Not available.

**Created:** 10/09/2005 04:16 PM

**Last Updated:** 11/06/2008 12:00 PM

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# MATERIAL SAFETY DATA SHEET

VARIAN

| | | | |
|---|---|---|---|
| MANUFACTURER | Varian Instruments – Middelburg | | |
| ADDRESS | Herculesweg 8<br>4338 PL Middelburg, Netherlands | | |
| PHONE | 31.118.67100 | MSDS Number: | 1002-039 Rev. 0 |
| EMERGENCY PHONE | 1.800.424.9300 – CHEMTREC USA | Date: | April 29, 2002 |
| FAX | 31.118.633118 | Prepared by: | Corporate EH&S |

## SECTION 1: MATERIAL IDENTIFICATION

Product Name: Testmix CP0039
Synonyms: Polychlorinated biphenyls in Cyclohexane. Cyclohexane is also known as Benzene, hexahydro.

## SECTION 2: COMPOSITION

An ampoule/vial containing the following:

| Component | CAS Number | Approximate Concentration | NTP Carcinogen Status | IARC Carcinogen Status |
|---|---|---|---|---|
| PCB 66 | 32598-10-0 | 100 ng/ml | listed* | listed** |
| PCB 101 | 37680-73-2 | 100 ng/ml | listed* | listed** |
| PCB 97 | 41464-51-1 | 100 ng/ml | listed* | listed** |
| PCB 86 | 55312-69-1 | 100 ng/ml | listed* | listed** |
| PCB 87 | 38380-02-8 | 100 ng/ml | listed* | listed** |
| PCB 82 | 52663-62-4 | 100 ng/ml | listed* | listed** |
| PCB 77 | 32598-13-3 | 100 ng/ml | listed* | listed** |
| PCB 139 | 56030-56-9 | 100 ng/ml | listed* | listed** |
| PCB 118 | 31508-00-6 | 100 ng/ml | listed* | listed** |
| PCB 105 | 32598-14-4 | 100 ng/ml | listed* | listed** |
| PCB 153 | 35065-27-1 | 100 ng/ml | listed* | listed** |
| PCB 138 | 35065-28-2 | 100 ng/ml | listed* | listed** |
| Cyclohexane | 110-82-7 | Balance | not listed | not listed |

* Anticipated to be a human carcinogen.
** Group 2A - Probably carcinogenic to humans,.
WARNING: This product contains Polychlorinated biphenyls [Category CAS# 1336-36-3] chemicals known to the State of California to cause cancer.

**NOTE: Unless otherwise noted, the information below pertains only to the Cyclohexane solvent in the ampoule/vial.**

## SECTION 3: HAZARD IDENTIFICATION

**Emergency Overview:** Colorless liquid. Flash Point: -20 deg C. Extremely flammable liquid and vapor may cause a flash fire. Harmful or fatal if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause respiratory and digestive tract irritation. May cause eye and skin irritation. May cause central nervous system depression. May cause liver and kidney damage. Target Organs: kidneys, central nervous system, liver, cardiovascular system, eye, lens or cornea. Very toxic to aquatic organisms. May be harmful to the environment if released in large amounts.

**Potential Health Effects**
**Inhalation:** Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma.
**Ingestion:** Ingestion of large amounts may cause gastrointestinal irritation. May cause liver and kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause vascular collapse and damage. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
**Skin Contact:** May be absorbed through the skin in harmful amounts. May cause irritation with burning pain, itching and redness. Prolonged or repeated skin contact may cause defatting and dermatitis.
**Eye Contact:** May cause irritation, redness, and pain.
**Carcinogen Status:** NTP: Not listed IARC: Not listed

## SECTION 4: FIRST AID INFORMATION

**Inhalation:** Get medical attention immediately. Remove to fresh air. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.
**Ingestion:** If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.

**Skin Contact:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical aid if irritation develops or persists.
**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Do NOT allow victim to rub or keep eyes closed.

## SECTION 5: FIRE-FIGHTING INFORMATION

**Fire:** Flash point (closed cup): -18C (0F)
Autoignition temperature: 245C (473F)
Flammable limits in air % by volume: Lower = 1.3 Upper = 8.4
NFPA Rating: health-1; flammability-3; reactivity-0

**Explosion:** Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Vapors can flow along surfaces to distant ignition source and flash back. Sealed containers may rupture when heated. Contact with strong oxidizers may cause fire. Sensitive to static discharge.

**Fire Extinguishing Media:** Dry chemical, foam or carbon dioxide. Water may be ineffective. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment as indicated in Section 8. Ventilate area of leak or spill. Remove all sources of ignition. Absorb spill with inert material (e.g. vermiculite, sand or earth), scoop up with a nonsparking tool, then place into a suitable container for disposal. Do not flush to sewer!

## SECTION 7: HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Keep container tightly closed. Avoid contact with heat, sparks and flame. Do not get on skin or in eyes. Avoid ingestion and inhalation.
**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT

**Airborne Exposure Limits:** United States - OSHA Permissible Exposure Limit (PEL): 300 ppm (TWA)
United States - ACGIH Threshold Limit Value (TLV): 300 ppm (TWA)
Australia: Time-weighted average 300 ppm (1050 mg/m3), JAN1993
The Netherlands: MAC-TGG 250 ppm (875 mg/m3), JAN1999

**Personal Protective Equipment**
**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Maintain eye wash fountain and quick-drench facilities in work area.
**Skin Protection:** Wear nitrile-latex gloves, apron, and/or clothing.
**Clothing:** Wear appropriate protective clothing to prevent skin exposure.
**Respirators:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator when necessary.

**Ventilation System:** A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, colorless liquid
**Odor:** Faint ether or chloroform-like odor
**Solubility:** Negligible (<0.1%)
**Specific Gravity:** 0.79 (Water = 1)
**pH:** Not available.
**Molecular Formula:** $CH_2(CH2)_4CH_2$
**Molecular Weight:** 84.18

**Boiling Point:** 81C (178F)
**Melting Point:** 7C (45F)
**Vapor Density:** 2.95 (Air=1)
**Vapor Pressure (mm Hg):** 95 @ 20C (68F)
**Evaporation Rate:** 6.1 (Butyl Acetate = 1)
**% Volatiles by Volume**: 100

## SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** Stable at room temperature in sealed containers.
**Hazardous Decomposition Products:** Carbon dioxide and carbon monoxide may form when heated to decomposition.
**Hazardous Polymerization:** Will not occur.
**Incompatibilities:** Strong oxidizers, heat and sources of ignition.
**Conditions to Avoid:** Incompatibles.

## SECTION 11: TOXICOLOGICAL INFORMATION

RTECS#: GU6300000 for CAS# 110-82-7
LD50/LC50:
Oral, mouse: LD50 = 813 mg/kg;
Oral, rat: LD50 = 12705 mg/kg;
Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Mutagenicity: DNA damage; E. coli, 10 umol/L
Additional Data: Alcohol may enhance the toxic effects.

## SECTION 12: ECOLOGICAL INFORMATION

**Environmental Fate:** When released into the soil, this material may biodegrade to a moderate extent. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released to water, this material is expected to quickly evaporate. This material may bioaccumulate to some extent. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life between 1 and 10 days.
**Environmental Toxicity:** This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

## SECTION 13: DISPOSAL GUIDELINES

Dispose in compliance with federal, state, and local regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

USEPA RCRA waste numbers U056 and D001.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

## SECTION 14: TRANSPORT INFORMATION

Ship in accordance with all applicable local, State, Federal, and International transportation regulations.
The following is a summary only. Check regulations for complete information:

United States (Land, D.O.T.)
Proper Shipping Name: Cyclohexane
Hazard Class: 3
UN/NA: UN1145
Packing Group: II

International (Air, I.C.A.O.)
Proper Shipping Name: Cyclohexane
Hazard Class: 3
UN/NA: UN1145
Packing Group: II

Emergency Response Guide Number 128

## SECTION 15: REGULATORY INFORMATION

**US Federal**
TSCA: CAS# 110-82-7 is listed on the TSCA inventory.
OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.
SARA 311/312: Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactivity: No

**US State**
CAS# 110-82-7 can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.
California Proposition 65: Not regulated.

**Other Regulations**
EC Classification (assigned): F – Highly Flammable
EC Risk and Safety Phrases:
*Risk Phrases:*
R 11 Highly flammable.
*Safety Phrases:*
S 16 Keep away from sources of ignition - No smoking.
S 33 Take precautionary measures against static discharges.
S 9 Keep container in a well-ventilated place.

Australian Hazchem Code: 3[Y]E

WHMIS Classification (Canada): Class B, Division 2

Inventory Status: Listed on EINECS and Canadian DSL

## SECTION 16: OTHER INFORMATION

**NOTE: Unless otherwise noted, the information above pertains only to the Cyclohexane solvent in the ampoule/vial.**

This MSDS was prepared in accordance with ANSI Z400.1-1993 and 91/155/EEC recommended formats.

The information contained herein is believed to be accurate, but does not purport to be all-inclusive and shall be used only as a guide. Varian, Inc., does not guarantee said information is accurate or complete, nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary precautions. Varian, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product, nor for the results obtained, or for incidental or consequential damage arising from the use of these data. No freedom from infringement of any patent, copyright or trademark is to be inferred.

HOVENSA

NFPA 704 (Section 16)

# MATERIAL SAFETY DATA SHEET

**Benzene** **MSDS No. 0166**

## 1. CHEMICAL PRODUCT and COMPANY INFORMATION (rev. Jan-99)

**HOVENSA L.L.C.**
**1 Estate Hope**
**Christiansted, VI 00820-5652**

**EMERGENCY TELEPHONE NUMBER (24 hrs):** **CHEMTREC (800) 424-9300**
**COMPANY CONTACT (business hours):** **Safety Department (340) 692-3000**

**SYNONYMS:** Benzol; Coal Naphtha; coal tar naphtha; Cyclohexatriene; Phenyl hydride
See Section 16 for Abbreviations and Acronyms.

## 2. COMPOSITION and INFORMATION ON INGREDIENTS (rev. Apr-98)

| INGREDIENT NAME | EXPOSURE LIMITS | | CONCENTRATION PERCENT BY WEIGHT |
|---|---|---|---|
| Benzene<br>CAS NUMBER: 71-43-2 | OSHA PEL-TWA/STEL:<br>ACGIH TLV-TWA:<br>US Coast Guard: | 1 / 5 ppm<br>0.5 / 2.5 ppm, A1, skin<br>same as OSHA | 100 |

## 3. HAZARDS IDENTIFICATION (rev. Apr-98; Tox-98)

**EMERGENCY OVERVIEW**
**DANGER!**
**FLAMMABLE - BLOOD TOXIN AND CARCINOGEN - ABSORBED THROUGH THE SKIN - CENTRAL NERVOUS SYSTEM - HARMFUL OR FATAL IF SWALLOWED - ASPIRATION HAZARD**

High fire hazard. Keep away from heat, spark, open flame, and other ignition sources.

If ingested, do NOT induce vomiting, as this may cause chemical pneumonia (fluid in the lungs). Contact may cause eye, skin and mucous membrane irritation. Harmful if absorbed through the skin. Avoid prolonged breathing of vapors or mists. Inhalation may cause irritation, anesthetic effects (dizziness, nausea, headache, intoxication), and respiratory system effects.

Long-term exposure may cause blood disease, including anemia and leukemia.

**EYES**
Moderate to severe irritant. Contact with liquid or vapor may cause irritation.

**SKIN**
Moderate to severe irritant. May cause skin irritation with prolonged or repeated contact. Practically non-toxic if absorbed following acute (single) exposure. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are exposed repeatedly.

**INGESTION**
The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.

**INHALATION**
Excessive exposure may cause irritation to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

Effects to the blood (including decreased platelet and white blood cell counts), cardiovascular system, nervous system, retina, lungs, gastrointestinal system, spleen, and kidneys have been reported from large, acute (short) and repeated or prolonged exposures.

**CHRONIC EFFECTS and CARCINOGENICITY**
Benzene is a regulated human carcinogen. Benzene has the potential to cause bone marrow depression, aplastic anemia (low red blood cell count) and other blood diseases, including leukemia, after repeated and prolonged exposure. Benzene can cause liver and kidney toxicity.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**
Irritation from skin exposure may aggravate existing open wounds, skin disorders, and dermatitis (rash). Pre-existing chronic respiratory disease, liver or kidney dysfunction, or blood, cardiovascular and central nervous system disorders may be aggravated by exposure.

## 4. FIRST AID MEASURES (rev. Apr-98)

**EYES**
In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

**SKIN**
Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops.

**INGESTION**
DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

**INHALATION**
Remove person to fresh air. If person is not breathing, ensure an open airway and provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

**NOTE TO PHYSICIAN**
OSHA and US Coast Guard require that a person exposed to benzene in an emergency have a urine sample taken at the end of the shift and have a urine phenol test performed within 72 hours. For results equal to or greater than 75 ml/L of urine, employees must have a complete blood count every month for three months after the emergency exposure. See OSHA 29 CFR 1910.1028 or USCG 49 CFR 193.

## 5. FIRE FIGHTING MEASURES (rev. Jan-99)

**FLAMMABLE PROPERTIES:**

| | |
|---|---|
| FLASH POINT: | 12 °F (-11°C) |
| AUTOIGNITION TEMPERATURE: | 928 °F (498 °C) |
| OSHA/NFPA FLAMMABILITY CLASS: | 1B (flammable liquid) |
| LOWER EXPLOSIVE LIMIT (%): | 1.3% |
| UPPER EXPLOSIVE LIMIT (%): | 7.9% |

**FIRE AND EXPLOSION HAZARDS**
Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. Flowing product may be ignited by self-generated static electricity. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

**EXTINGUISHING MEDIA**
SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray, fire fighting foam, or Halon.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

**FIRE FIGHTING INSTRUCTIONS**
Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment.

Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing.

Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

See Section 16 for the NFPA 704 Hazard Rating.

## 6. ACCIDENTAL RELEASE MEASURES (rev. Apr-98)

ACTIVATE FACILITY SPILL CONTINGENCY or EMERGENCY PLAN.

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection.

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal - caution, flammable vapors may accumulate in closed containers. Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

## 7. HANDLING and STORAGE (rev. Apr-98)

**HANDLING PRECAUTIONS**
Handle as a flammable liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil) is loaded into tanks previously containing low flash point products (such as this product) - see API Publication 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents.

**STORAGE PRECAUTIONS**
Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks".

**WORK/HYGIENIC PRACTICES**
Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use solvents or harsh abrasive skin cleaners for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

## 8. EXPOSURE CONTROLS and PERSONAL PROTECTION (rev. Apr-98)

**ENGINEERING CONTROLS**
Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

**EYE/FACE PROTECTION**
Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

**SKIN PROTECTION**
Gloves constructed of Viton are recommended for heavy exposure; Viton, nitrile, PVC, or neoprene for intermittent exposure. Chemical protective clothing such as DuPont Barricade ® or equivalent recommended based on degree of exposure.

Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

**RESPIRATORY PROTECTION**
A NIOSH/MSHA-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited. Refer to OSHA 29 CFR 1910.134, ANSI Z88.2-1992, NIOSH Respirator Decision Logic, and the manufacturer for additional guidance on respiratory protection selection and limitations.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

## 9. PHYSICAL and CHEMICAL PROPERTIES (rev. Mar-95)

**APPEARANCE**
A clear, water-like liquid

**ODOR**
A sweet, aromatic odor.

**ODOR THRESHOLD**
4.7 ppm

**BASIC PHYSICAL PROPERTIES**

| | |
|---|---|
| BOILING RANGE: | 176 °F (80 °C) |
| VAPOR PRESSURE: | 74.6 mm Hg @ 68 °F (20 °C) |
| VAPOR DENSITY (air = 1): | 2.8 |
| SPECIFIC GRAVITY ($H_2O$ = 1): | 0.87 |
| EVAPORATION RATE: | High |
| PERCENT VOLATILES: | 100 % |
| SOLUBILITY ($H_2O$): | Insoluble to slightly soluble |

## 10. STABILITY and REACTIVITY (rev. Mar-95)

**STABILITY:** Stable. Hazardous polymerization will not occur.

**CONDITIONS TO AVOID and INCOMPATIBLE MATERIALS**
Material is stable under normal conditions. Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources

**HAZARDOUS DECOMPOSITION PRODUCTS**
Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke). Contact with nitric and sulfuric acids will form nitrocresols that can decompose violently.

## 11. TOXICOLOGICAL PROPERTIES (rev. Apr-98; Tox-98)

**ACUTE TOXICITY**
Acute Dermal LD50 (rabbits): > 9.4 ml/kg Acute Oral LD50 (mouse): 4.7 g/kg
Acute inhalation LC50: 10,000 ppm (rat; 7 hours) Eye irritation (rabbit): mild to moderate
Primary dermal irritation (rabbits): mild to moderate

**CHRONIC EFFECTS AND CARCINOGENICITY**
Carcinogenicity: OSHA: YES IARC: (1) NTP: YES ACGIH: (A1)

Numerous epidemiological (human) and animal studies have reported an increased incidence or a causal relationship between leukemia and benzene exposure.

Mutagenicity: positive

## 12. ECOLOGICAL INFORMATION (rev. Apr-98)

Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations.

## 13. DISPOSAL CONSIDERATIONS (rev. Apr-98)

Consult federal, state and local waste regulations to determine appropriate disposal options.

## 14. TRANSPORTATION INFORMATION (rev. Apr-98)

| | |
|---|---|
| DOT PROPER SHIPPING NAME: | Benzene |
| DOT HAZARD CLASS and PACKING GROUP: | 3, PG II |
| DOT IDENTIFICATION NUMBER: | UN 1114 |
| DOT SHIPPING LABEL: | FLAMMABLE LIQUID |

## 15. REGULATORY INFORMATION (rev. Apr-98)

**U.S. FEDERAL, STATE, and LOCAL REGULATORY INFORMATION**
This product and its constituents listed herein are on the EPA TSCA Inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other federal, state, or local regulations; consult those regulations applicable to your facility/operation.

**CLEAN WATER ACT (OIL SPILLS)**
Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) or, if not practical, the U.S. Coast Guard with follow-up to the National Response Center, as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

**CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIRONMENT)**
Benzene is a CERCLA Section 103 "hazardous substance" subject to CERCLA and SARA Section 304 reporting requirements.

Reportable Quantity: 10 pounds

**SARA SECTION 311/312 - HAZARD CLASSES**

| ACUTE HEALTH | CHRONIC HEALTH | FIRE | SUDDEN RELEASE OF PRESSURE | REACTIVE |
|---|---|---|---|---|
| X | X | X | -- | -- |

**SARA SECTION 313 - SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

| INGREDIENT NAME (CAS NUMBER) | CONCENTRATION WT. PERCENT |
|---|---|
| Benzene (71-43-2) | 100 |

**CANADIAN REGULATORY INFORMATION (WHMIS)**

Class B, Division 2 (Flammable Liquid)
Class D, Division 2A (Very toxic by other means) and Class D, Division 2B (Toxic by other means)

## 16. OTHER INFORMATION (rev. Apr-98)

| | | | |
|---|---|---|---|
| **NFPA® HAZARD RATING** | HEALTH: | 2 | Moderate |
| | FIRE: | 3 | Serious |
| | REACTIVITY: | 0 | Minimal |
| **HMIS® HAZARD RATING** | HEALTH: | 3 * | Serious |
| | FIRE: | 3 | Serious |
| | REACTIVITY: | 0 | Minimal |
| | | | * Chronic |

**SUPERSEDES MSDS DATED:** 04/23/98

**ABBREVIATIONS:**

AP = Approximately < = Less than > = Greater than
N/A = Not Applicable N/D = Not Determined ppm = parts per million

**ACRONYMS:**

ACGIH American Conference of Governmental Industrial Hygienists
AIHA American Industrial Hygiene Association
ANSI American National Standards Institute (212) 642-4900
API American Petroleum Institute (202) 682-8000
CERCLA Comprehensive Emergency Response, Compensation, and Liability Act
DOT U.S. Department of Transportation [General Info: (800) 467-4922]
EPA U.S. Environmental Protection Agency
HMIS Hazardous Materials Information System
IARC International Agency For Research On Cancer
MSHA Mine Safety and Health Administration
NFPA National Fire Protection Association (617) 770-3000
NIOSH National Institute of Occupational Safety and Health
NOIC Notice of Intended Change (proposed change to ACGIH TLV)
NTP National Toxicology Program
OPA Oil Pollution Act of 1990
OSHA U.S. Occupational Safety & Health Administration
PEL Permissible Exposure Limit (OSHA)
RCRA Resource Conservation and Recovery Act
REL Recommended Exposure Limit (NIOSH)
SARA Superfund Amendments and Reauthorization Act of 1986 Title III
SCBA Self-Contained Breathing Apparatus
SPCC Spill Prevention, Control, and Countermeasures
STEL Short-Term Exposure Limit (generally 15 minutes)
TLV Threshold Limit Value (ACGIH)
TSCA Toxic Substances Control Act
TWA Time Weighted Average (8 hr.)
WEEL Workplace Environmental Exposure Level (AIHA)
WHMIS Workplace Hazardous Materials Information System (Canada)

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

# Safety data for ethylbenzene

Glossary of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

## General

Synonyms: phenylethane, EB, ethylbenzol, ethyl benzene
Molecular formula: $C_8H_{10}$
CAS No: 100-41-4
EC No: 202-849-4
Annex I Index No: 601-023-00-4

## Physical data

Appearance: colourless liquid
Melting point: -95 C
Boiling point: 136 C
Vapour density: 3.7
Vapour pressure: 10 mm Hg at 20 C
Specific gravity: 0.867
Flash point: 15 C
Explosion limits: 1 % - 6.7 %
Autoignition temperature: 432 C

## Stability

Stable. Incompatible with oxidizing agents. Highly flammable.

## Toxicology

Harmful if inhaled. Causes severe eye irritation. Skin and respiratory system

irritant. Experimental teratogen. Narcotic in high concentration.

**Toxicity data**
(The meaning of any abbreviations which appear in this section is given here.)
ORL-RAT LD50 3500 mg $kg^{-1}$
SKN-RBT LD50 17800 mg $kg^{-1}$
IHL-GPG LCLO 10000 ppm

**Irritation data**
(The meaning of any abbreviations which appear in this section is given here.)
SKN-RBT 15 mg/24h open mld.

**Risk phrases**
(The meaning of any risk phrases which appear in this section is given here.)
R11 R20 R36 R37 R38.

## Personal protection

Safety glasses. Good ventilation. Remove sources of ignition from the working area.

**Safety phrases**
(The meaning of any safety phrases which appear in this section is given here.)
S16 S24 S25 S29.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]

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This information was last updated on December 16, 2009. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.

Note also that the information on the PTCL Safety web site, where this page was hosted, has been copied onto many other sites, often without permission. If you have any doubts about the veracity of the information that you are viewing, or have any queries, please check the URL that your web browser displays for this page. If the URL **begins** "http://msds.chem.ox.ac.uk/" the page is maintained by the Safety Officer in Physical Chemistry at Oxford University. If not, this page is a copy made by some other person and we have no responsibility for it.

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MATERIAL SAFETY DATA SHEET

**Gasoline, All Grades** **MSDS No. 9950**

**EMERGENCY OVERVIEW**
**DANGER!**
**EXTREMELY FLAMMABLE - EYE AND MUCOUS MEMBRANE IRRITANT - EFFECTS CENTRAL NERVOUS SYSTEM - HARMFUL OR FATAL IF SWALLOWED - ASPIRATION HAZARD**

NFPA 704 (Section 16)

High fire hazard. Keep away from heat, spark, open flame, and other ignition sources.

If ingested, do NOT induce vomiting, as this may cause chemical pneumonia (fluid in the lungs). Contact may cause eye, skin and mucous membrane irritation. Harmful if absorbed through the skin. Avoid prolonged breathing of vapors or mists. Inhalation may cause irritation, anesthetic effects (dizziness, nausea, headache, intoxication), and respiratory system effects.

Long-term exposure may cause effects to specific organs, such as to the liver, kidneys, blood, nervous system, and skin. Contains benzene, which can cause blood disease, including anemia and leukemia.

## 1. CHEMICAL PRODUCT and COMPANY INFORMATION

**Hess Corporation**
**1 Hess Plaza**
**Woodbridge, NJ 07095-0961**

**EMERGENCY TELEPHONE NUMBER (24 hrs):** **CHEMTREC (800)424-9300**
**COMPANY CONTACT (business hours):** Corporate Safety (732)750-6000
**MSDS (Environment, Health, Safety) Internet Website** www.hess.com

**SYNONYMS:** Hess Conventional (Oxygenated and Non-oxygenated) Gasoline; Reformulated Gasoline (RFG); Reformulated Gasoline Blendstock for Oxygenate Blending (RBOB); Unleaded Motor or Automotive Gasoline

See Section 16 for abbreviations and acronyms.

## 2. COMPOSITION and INFORMATION ON INGREDIENTS *

| INGREDIENT NAME (CAS No.) | CONCENTRATION PERCENT BY WEIGHT |
|---|---|
| Gasoline (86290-81-5) | 100 |
| Benzene (71-43-2) | 0.1 - 4.9 (0.1 - 1.3 reformulated gasoline) |
| n-Butane (106-97-8) | < 10 |
| Ethyl Alcohol (Ethanol) (64-17-5) | 0 - 10 |
| Ethyl benzene (100-41-4) | < 3 |
| n-Hexane (110-54-3) | 0.5 to 4 |
| Methyl-tertiary butyl ether (MTBE) (1634-04-4) | 0 to 15.0 |
| Tertiary-amyl methyl ether (TAME) (994-05-8) | 0 to 17.2 |
| Toluene (108-88-3) | 1 - 25 |
| 1,2,4- Trimethylbenzene (95-63-6) | < 6 |
| Xylene, mixed isomers (1330-20-7) | 1 - 15 |

A complex blend of petroleum-derived normal and branched-chain alkane, cycloalkane, alkene, and aromatic hydrocarbons. May contain antioxidant and multifunctional additives. Non-oxygenated Conventional Gasoline and RBOB do not have oxygenates (Ethanol or MTBE and/or TAME).

Oxygenated Conventional and Reformulated Gasoline will have oxygenates for octane enhancement or as legally required.

## 3. HAZARDS IDENTIFICATION

**EYES**
Moderate irritant. Contact with liquid or vapor may cause irritation.

**SKIN**
Practically non-toxic if absorbed following acute (single) exposure. May cause skin irritation with prolonged or repeated contact. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are exposed repeatedly.

**INGESTION**
The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.

**INHALATION**
Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

**WARNING**: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

**CHRONIC EFFECTS and CARCINOGENICITY**
Contains benzene, a regulated human carcinogen. Benzene has the potential to cause anemia and other blood diseases, including leukemia, after repeated and prolonged exposure. Exposure to light hydrocarbons in the same boiling range as this product has been associated in animal studies with systemic toxicity. See also Section 11 - Toxicological Information.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**
Irritation from skin exposure may aggravate existing open wounds, skin disorders, and dermatitis (rash). Chronic respiratory disease, liver or kidney dysfunction, or pre-existing central nervous system disorders may be aggravated by exposure.

## 4. FIRST AID MEASURES

**EYES**
In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

**SKIN**
Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops.

**INGESTION**

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

**INHALATION**
Remove person to fresh air. If person is not breathing, ensure an open airway and provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:**

| | |
|---|---|
| FLASH POINT: | -45 °F (-43°C) |
| AUTOIGNITION TEMPERATURE: | highly variable; > 530 °F (>280 °C) |
| OSHA/NFPA FLAMMABILITY CLASS: | 1A (flammable liquid) |
| LOWER EXPLOSIVE LIMIT (%): | 1.4% |
| UPPER EXPLOSIVE LIMIT (%): | 7.6% |

**FIRE AND EXPLOSION HAZARDS**
Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. Flowing product may be ignited by self-generated static electricity. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

**EXTINGUISHING MEDIA**
SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray, fire fighting foam, or Halon.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

During certain times of the year and/or in certain geographical locations, gasoline may contain MTBE and/or TAME. Firefighting foam suitable for polar solvents is recommended for fuel with greater than 10% oxygenate concentration - refer to NFPA 11 "Low Expansion Foam - 1994 Edition."

**FIRE FIGHTING INSTRUCTIONS**
Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment.

Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing.

Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

See Section 16 for the NFPA 704 Hazard Rating.

## 6. ACCIDENTAL RELEASE MEASURES

ACTIVATE FACILITY SPILL CONTINGENCY or EMERGENCY PLAN.

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection.

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal - caution, flammable vapors may accumulate in closed containers. Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

## 7. HANDLING and STORAGE

**HANDLING PRECAUTIONS**

******USE ONLY AS A MOTOR FUEL******
******DO NOT SIPHON BY MOUTH******

Handle as a flammable liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil) is loaded into tanks previously containing low flash point products (such as this product) - see API Publication 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents.

**STORAGE PRECAUTIONS**

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks".

**WORK/HYGIENIC PRACTICES**

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use solvents or harsh abrasive skin cleaners for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

## 8. EXPOSURE CONTROLS and PERSONAL PROTECTION

### EXPOSURE LIMITS

| Component (CAS No.) | Source | TWA (ppm) | STEL (ppm) | Exposure Limits Note |
|---|---|---|---|---|
| Gasoline (86290-81-5) | ACGIH | 300 | 500 | A3 |
| Benzene (71-43-2) | OSHA | 1 | 5 | Carcinogen |
| | ACGIH | 0.5 | 2.5 | A1, skin |
| | USCG | 1 | 5 | |
| n-Butane (106-97-8) | ACGIH | 1000 | – | Aliphatic Hydrocarbon Gases Alkane (C1-C4) |
| Ethyl Alcohol (ethanol) (64-17-5) | OSHA | 1000 | – | |
| | ACGIH | 1000 | – | A4 |
| Ethyl benzene (100-41-4) | OSHA | 100 | – | |
| | ACGIH | 100 | 125 | A3 |
| n-Hexane (110-54-3) | OSHA | 500 | – | |
| | ACGIH | 50 | – | Skin |
| Methyl-tertiary butyl ether [MTBE] (1634-04-4) | ACGIH | 50 | | A3 |
| Tertiary-amyl methyl ether [TAME] (994-05-8) | | | | None established |
| Toluene (108-88-3) | OSHA | 200 | | Ceiling: 300 ppm; Peak: 500 ppm (10 min.) |
| | ACGIH | 20 | – | A4 |
| 1,2,4- Trimethylbenzene (95-63-6) | ACGIH | 25 | – | |
| Xylene, mixed isomers (1330-20-7) | OSHA | 100 | – | |
| | ACGIH | 100 | 150 | A4 |

### ENGINEERING CONTROLS
Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

### EYE/FACE PROTECTION
Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

### SKIN PROTECTION
Gloves constructed of nitrile or neoprene are recommended. Chemical protective clothing such as that made of of E.I. DuPont Tychem ®, products or equivalent is recommended based on degree of exposure.

Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

### RESPIRATORY PROTECTION
A NIOSH-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited. Refer to OSHA 29 CFR 1910.134, NIOSH Respirator Decision Logic, and the manufacturer for additional guidance on respiratory protection selection and limitations.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

## 9. PHYSICAL and CHEMICAL PROPERTIES

### APPEARANCE
A translucent, straw-colored or light yellow liquid

**ODOR**
A strong, characteristic aromatic hydrocarbon odor. Oxygenated gasoline with MTBE and/or TAME may have a sweet, ether-like odor and is detectable at a lower concentration than non-oxygenated gasoline.

**ODOR THRESHOLD**

| | Odor Detection | Odor Recognition |
|---|---|---|
| Non-oxygenated gasoline: | 0.5 - 0.6 ppm | 0.8 - 1.1 ppm |
| Gasoline with 15% MTBE: | 0.2 - 0.3 ppm | 0.4 - 0.7 ppm |
| Gasoline with 15% TAME: | 0.1 ppm | 0.2 ppm |

**BASIC PHYSICAL PROPERTIES**

| | |
|---|---|
| BOILING RANGE: | 85 to 437 °F (39 to 200 °C) |
| VAPOR PRESSURE: | 6.4 - 15 RVP @ 100 °F (38 °C) (275-475 mm Hg @ 68 °F (20 °C) |
| VAPOR DENSITY (air = 1): | AP 3 to 4 |
| SPECIFIC GRAVITY ($H_2O$ = 1): | 0.70 – 0.78 |
| EVAPORATION RATE: | 10-11 (n-butyl acetate = 1) |
| PERCENT VOLATILES: | 100 % |
| SOLUBILITY ($H_2O$): | Non-oxygenated gasoline - negligible (< 0.1% @ 77 °F). Gasoline with 15% MTBE - slight (0.1 - 3% @ 77 °F); ethanol is readily soluble in water |

## 10. STABILITY and REACTIVITY )

**STABILITY:** Stable. Hazardous polymerization will not occur.

**CONDITIONS TO AVOID**
Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources

**INCOMPATIBLE MATERIALS**
Keep away from strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS**
Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke). Contact with nitric and sulfuric acids will form nitrocresols that can decompose violently.

## 11. TOXICOLOGICAL PROPERTIES

**ACUTE TOXICITY**
Acute Dermal LD50 (rabbits): > 5 ml/kg
Acute Oral LD50 (rat): 18.75 ml/kg
Primary dermal irritation (rabbits): slightly irritating
Draize eye irritation (rabbits): non-irritating
Guinea pig sensitization: negative

**CHRONIC EFFECTS AND CARCINOGENICITY**
Carcinogenicity: OSHA: NO IARC: YES - 2B NTP: NO ACGIH: YES (A3)

IARC has determined that gasoline and gasoline exhaust are possibly carcinogenic in humans. Inhalation exposure to completely vaporized unleaded gasoline caused kidney cancers in male rats and liver tumors in female mice. The U.S. EPA has determined that the male kidney tumors are species-specific and are irrelevant for human health risk assessment. The significance of the tumors seen in female mice is not known. Exposure to light hydrocarbons in the same boiling range as this product has been associated in animal studies with effects to the central and peripheral nervous systems, liver, and kidneys. The significance of these animal models to predict similar human response to gasoline is uncertain.

This product contains benzene. Human health studies indicate that prolonged and/or repeated overexposure to benzene may cause damage to the blood-forming system (particularly bone marrow), and serious blood disorders such as aplastic anemia and leukemia. Benzene is listed as a human carcinogen by the NTP, IARC, OSHA and ACGIH.

This product may contain methyl tertiary butyl ether (MTBE ): animal and human health effects studies indicate that MTBE may cause eye, skin, and respiratory tract irritation, central nervous system depression and neurotoxicity. MTBE is classified as an animal carcinogen (A3) by the ACGIH.

## 12. ECOLOGICAL INFORMATION

Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations. If released, oxygenates such as ethers and alcohols will be expected to exhibit fairly high mobility in soil, and therefore may leach into groundwater. The API (www.api.org) provides a number of useful references addressing petroleum and oxygenate contamination of groundwater.

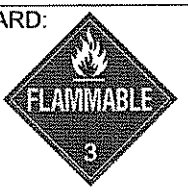
## 13. DISPOSAL CONSIDERATIONS

Consult federal, state and local waste regulations to determine appropriate disposal options.

## 14. TRANSPORTATION INFORMATION

| | |
|---|---|
| DOT PROPER SHIPPING NAME: | Gasoline |
| DOT HAZARD CLASS and PACKING GROUP: | 3, PG II |
| DOT IDENTIFICATION NUMBER: | UN 1203 |
| DOT SHIPPING LABEL: | FLAMMABLE LIQUID |

PLACARD:




## 15. REGULATORY INFORMATION

**U.S. FEDERAL, STATE, and LOCAL REGULATORY INFORMATION**

This product and its constituents listed herein are on the EPA TSCA Inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other federal, state, or local regulations; consult those regulations applicable to your facility/operation.

**CLEAN WATER ACT (OIL SPILLS)**

Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

**CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIRONMENT)**

The CERCLA definition of hazardous substances contains a "petroleum exclusion" clause which exempts crude oil, refined, and unrefined petroleum products and any indigenous components of such. However, other federal reporting requirements (e.g., SARA Section 304 as well as the Clean Water Act if the spill occurs on navigable waters) may still apply.

**SARA SECTION 311/312 - HAZARD CLASSES**

| ACUTE HEALTH | CHRONIC HEALTH | FIRE | SUDDEN RELEASE OF PRESSURE | REACTIVE |
|---|---|---|---|---|
| X | X | X | -- | -- |

**SARA SECTION 313 - SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

| INGREDIENT NAME (CAS NUMBER) | CONCENTRATION WT. PERCENT |
|---|---|
| Benzene (71-43-2) | 0.1 to 4.9 (0.1 to 1.3 for reformulated gasoline) |
| Ethyl benzene (100-41-4) | < 3 |

| | |
|---|---|
| n-Hexane (110-54-3) | 0.5 to 4 |
| Methyl-tertiary butyl ether (MTBE) (1634-04-4) | 0 to 15.0 |
| Toluene (108-88-3) | 1 to 15 |
| 1,2,4- Trimethylbenzene (95-63-6) | < 6 |
| Xylene, mixed isomers (1330-20-7) | 1 to 15 |

US EPA guidance documents (www.epa.gov/tri) for reporting Persistent Bioaccumulating Toxics (PBTs) indicate this product may contain the following deminimis levels of toxic chemicals subject to Section 313 reporting:

| INGREDIENT NAME (CAS NUMBER) | CONCENTRATION - Parts per million (ppm) by weight |
|---|---|
| Polycyclic aromatic compounds (PACs) | 17 |
| Benzo (g,h,i) perylene (191-24-2) | 2.55 |
| Lead (7439-92-1) | 0.079 |

**CALIFORNIA PROPOSITION 65 LIST OF CHEMICALS**

This product contains the following chemicals that are included on the Proposition 65 "List of Chemicals" required by the California Safe Drinking Water and Toxic Enforcement Act of 1986:

| INGREDIENT NAME (CAS NUMBER) | Date Listed |
|---|---|
| Benzene | 2/27/1987 |
| Ethyl benzene | 6/11/2004 |
| Toluene | 1/1/1991 |

**CANADIAN REGULATORY INFORMATION (WHMIS)**

Class B, Division 2 (Flammable Liquid)
Class D, Division 2A (Very toxic by other means) and Class D, Division 2B (Toxic by other means)

## 16. OTHER INFORMATION

| | | | |
|---|---|---|---|
| **NFPA® HAZARD RATING** | HEALTH: | 1 | Slight |
| | FIRE: | 3 | Serious |
| | REACTIVITY: | 0 | Minimal |
| **HMIS® HAZARD RATING** | HEALTH: | 1 * | Slight |
| | FIRE: | 3 | Serious |
| | PHYSICAL: | 0 | Minimal |
| | | | * CHRONIC |

**SUPERSEDES MSDS DATED: 07/01/06**

**ABBREVIATIONS:**

AP = Approximately < = Less than > = Greater than
N/A = Not Applicable N/D = Not Determined ppm = parts per million

**ACRONYMS:**

| | | | |
|---|---|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists | CERCLA | Comprehensive Emergency Response, Compensation, and Liability Act |
| AIHA | American Industrial Hygiene Association | DOT | U.S. Department of Transportation [General Info: (800)467-4922] |
| ANSI | American National Standards Institute (212)642-4900 | EPA | U.S. Environmental Protection Agency |
| API | American Petroleum Institute (202)682-8000 | HMIS | Hazardous Materials Information System |

| | |
|---|---|
| IARC | International Agency For Research On Cancer |
| MSHA | Mine Safety and Health Administration |
| NFPA | National Fire Protection Association (617)770-3000 |
| NIOSH | National Institute of Occupational Safety and Health |
| NOIC | Notice of Intended Change (proposed change to ACGIH TLV) |
| NTP | National Toxicology Program |
| OPA | Oil Pollution Act of 1990 |
| OSHA | U.S. Occupational Safety & Health Administration |
| PEL | Permissible Exposure Limit (OSHA) |
| RCRA | Resource Conservation and Recovery Act |
| REL | Recommended Exposure Limit (NIOSH) |
| SARA | Superfund Amendments and Reauthorization Act of 1986 Title III |
| SCBA | Self-Contained Breathing Apparatus |
| SPCC | Spill Prevention, Control, and Countermeasures |
| STEL | Short-Term Exposure Limit (generally 15 minutes) |
| TLV | Threshold Limit Value (ACGIH) |
| TSCA | Toxic Substances Control Act |
| TWA | Time Weighted Average (8 hr.) |
| WEEL | Workplace Environmental Exposure Level (AIHA) |
| WHMIS | Workplace Hazardous Materials Information System (Canada) |

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

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# Material Safety Data Sheet (MSDS)

Revision Date: 12 July 2005

## Section 1 .... Product Identification

**Used In:** 225-9023, -9023A, and -9050
**Tradename:** Toluene
**Synonyms:** Methylbenzene; Toluol; Phenylmethane
**CAS No.:** 108-88-3
**Molecular Weight:** 92.14
**Chemical Formula:** C6H5-CH3, $C_7H_8$

## Section 2 .... Composition/Information of Ingredients

**CAS #:** 108-88-3 **Percent:** 100% **Hazardous:** Yes

## Section 3 .... Hazards Identification

### Emergency Overview

**POISON! DANGER! HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. VAPOR HARMFUL. FLAMMABLE LIQUID AND VAPOR. MAY AFFECT LIVER, KIDNEYS, BLOOD SYSTEM, OR CENTRAL NERVOUS SYSTEM. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.**

### SAF-T-DATA™ Ratings (Provided here for your convenience)

**Health Rating:** 2 - Moderate (Life)
**Flammability Rating:** 3 - Severe (Flammable)
**Reactivity Rating:** 1 - Slight
**Contact Rating:** 3 - Severe (Life)
**Lab Protective Equip:** GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES; CLASS B EXTINGUISHER
**Storage Color Code:** Red (Flammable)

### Potential Health Effects

**Inhalation:** Inhalation may cause irritation of the upper respiratory tract. Symptoms of overexposure may include fatigue, confusion, headache, dizziness and drowsiness. Peculiar skin sensations (e. g. pins and needles) or numbness may be produced. Very high concentrations may cause unconsciousness and death.

**Ingestion:** Swallowing may cause abdominal spasms and other symptoms that parallel over-exposure from inhalation. Aspiration of material into the lungs can cause chemical pneumonitis, which may be fatal.

**Skin Contact:** Causes irritation. May be absorbed through skin.

**Eye Contact:** Causes severe eye irritation with redness and pain.

**Chronic Exposure:** Reports of chronic poisoning describe anemia, decreased blood cell count and bone marrow hypoplasia. Liver and kidney damage may occur. Repeated or prolonged contact has a defatting action, causing drying, redness, dermatitis. Exposure to toluene may affect the developing fetus.

**Aggravation of Pre-existing Conditions:** Persons with pre-existing skin disorders or impaired liver or kidney function may be more susceptible to the effects of this substance. Alcoholic beverage consumption can enhance the toxic effects of this substance.

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# Material Safety Data Sheet (MSDS)

**Tradename:** Toluene

## Section 4 .... First-aid Measures

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. CALL A PHYSICIAN IMMEDIATELY.

**Ingestion:** Aspiration hazard. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

**Skin Contact:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician immediately.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

## Section 5 .... Fire Fighting Measures

**Fire:**

**Flash point:** 7C (45F) CC

**Autoignition temperature:** 422C (792F)

**Flammable limits in air % by volume:** lel: 3.3; uel: 19
Flammable liquid and vapor!
Dangerous fire hazard when exposed to heat or flame. Vapors can flow along surfaces to distant ignition source and flash back.

**Explosion:** Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Contact with strong oxidizers may cause fire or explosion. Sensitive to static discharge.

### Fire Extinguishing Media:

Dry chemical, foam or carbon dioxide. Water may be used to flush spills away from exposures and to dilute spills to non-flammable mixtures.

### Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire exposed containers cool.

## Section 6 .... Accidental Release Measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

J. T. Baker SOLUSORB® solvent adsorbent is recommended for spills of this product.

## Section 7 .... Handling and Storage

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

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# Material Safety Data Sheet (MSDS)

**Tradename:** Toluene

## Section 8 .... Exposure Controls/Personal Protection

**Airborne Exposure Limits:**

**Toluene:**

- **OSHA Permissible Exposure Limit (PEL):**
  200 ppm (TWA); 300 ppm (acceptable ceiling conc.); 500 ppm (maximum conc.).
- **ACGIH Threshold Limit Value (TLV):**
  50 ppm (TWA) skin, A4 - Not Classifiable as a Human Carcinogen.

**Ventilation System:**

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

**Personal Respirators (NIOSH Approved):**

If the exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapor respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Skin Protection:**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Eye Protection:**

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## Section 9 .... Physical and Chemical Properties

| | | | |
|---|---|---|---|
| **Appearance:** | Clear, colorless liquid. | **Melting Point:** | -95C (-139F) |
| **Odor:** | Aromatic benzene-like. | **Vapor Density (Air=1):** | 3.14 |
| **Solubility:** | 0.05 gm/100gm water @ 20C (68F). | **Vapor Pressure (mm Hg):** | 22 @ 20C (68F) |
| **Specific Gravity:** | 0.86 @ 20C / 4 C | **Evaporation Rate (BuAc=1):** | 2.24 |
| **pH:** | No information found. | | |
| **% Volatiles by vol. @ 21C (70F):** | 100 | | |
| **Boiling Point:** | 111C (232F) | | |

## Section 10 .. Stability and Reactivity

**Stability:** Stable under ordinary conditions of use and storage. Containers may burst when heated.

**Hazardous Decomposition Products:**
Carbon dioxide and carbon monoxide may form when heated to decomposition.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Heat, flame, strong oxidizers, nitric and sulfuric acids, chlorine, nitrogen tetraoxide; will attack some forms of plastics, rubber, coatings.

**Conditions to Avoid:** Heat, flames, ignition sources and incompatibles.

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# Material Safety Data Sheet (MSDS)

**Tradename:** Toluene

## Section 15 .. Regulatory Information

### Chemical Inventory Status - Part 1

| Ingredient | TSCA | EC | Japan | Australia |
|---|---|---|---|---|
| Toluene (108-88-3) | Yes | Yes | Yes | Yes |

### Chemical Inventory Status - Part 2

| Ingredient | Korea | DSL | NDSL | Phil. |
|---|---|---|---|---|
| Toluene (108-88-3) | Yes | Yes | No | Yes |

### Federal, State & International Regulations - Part 1

| | –SARA 302– | | ———SARA 313——— | |
|---|---|---|---|---|
| Ingredient | RQ | TPQ | List | Chemical Catg. |
| Toluene (108-88-3) | No | No | Yes | No |

### Federal, State & International Regulations - Part 2

| Ingredient | CERCLA | -RCRA- 261.33 | -TSCA- 8(d) |
|---|---|---|---|
| Toluene (108-88-3) | 1000 | U220 | No |

**Chemical Weapons Convention:** No **TSCA 12(b):** No **CDTA:** Yes
**SARA 311/312: Acute:** Yes **Chronic:** Yes **Fire:** Yes **Pressure:** No
**Reactivity:** No (Pure / Liquid)

**WARNING:**
**THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**

**Australian Hazchem Code:** 3[Y]E
**Poison Schedule:** S6
**WHMIS:**
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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# Material Safety Data Sheet (MSDS)

**Tradename:** Toluene

## Section 11 .. Toxicological Information

**Toxicological Data:**

Oral rat LD50: 636 mg/kg; skin rabbit LD50: 14100 uL/kg; inhalation rat LC50: 49 gm/m3/4H; Irritation data: skin rabbit, 500 mg, Moderate; eye rabbit, 2 mg/24H, Severe. Investigated as a tumorigen, mutagen, reproductive effector.

**Reproductive Toxicity:**

Has shown some evidence of reproductive effects in laboratory animals.

**Cancer Lists**

| | —NTP Carcinogen— | | |
|---|---|---|---|
| **Ingredient** | **Known** | **Anticipated** | **IARC Category** |
| Toluene (108-88-3) | No | No | 3 |

## Section 12 .. Ecological Considerations

**Environmental Fate:** When released into the soil, this material may evaporate to a moderate extent. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released into water, this material may evaporate to a moderate extent. When released into water, this material may biodegrade to a moderate extent. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day. This material is not expected to significantly bioaccumulate. This material has a log octanol-water partition coefficient of less than 3.0. Bioconcentration factor = 13.2 (eels).

**Environmental Toxicity:** This material is expected to be toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

## Section 13 .. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## Section 14 .. Transport Information

**Domestic (Land, D.O.T.)**

**Proper Shipping Name:** TOLUENE
**Hazard Class:** 3
**UN/NA:** UN1294
**Packing Group:** II
**Information reported for product/size:** 390LB

**International (Water, I.M.O.)**

**Proper Shipping Name:** TOLUENE
**Hazard Class:** 3
**UN/NA:** UN1294
**Packing Group:** II
**Information reported for product/size:** 390LB

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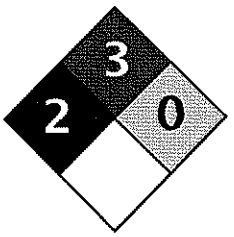


| | |
|---|---|
| Health | 2 |
| Fire | 3 |
| Reactivity | 0 |
| Personal Protection | H |

# Material Safety Data Sheet
# p-Xylene MSDS

## Section 1: Chemical Product and Company Identification

**Product Name:** p-Xylene

**Catalog Codes:** SLX1120

**CAS#:** 106-42-3

**RTECS:** ZE2625000

**TSCA:** TSCA 8(b) inventory: p-Xylene

**CI#:** Not applicable.

**Synonym:** p-Methyltoluene

**Chemical Name:** 1,4-Dimethylbenzene

**Chemical Formula:** C6H4(CH3)2

**Contact Information:**

**Sciencelab.com, Inc.**
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

**CHEMTREC (24HR Emergency Telephone), call:** 1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

## Section 2: Composition and Information on Ingredients

**Composition:**

| Name | CAS # | % by Weight |
|---|---|---|
| {p-}Xylene | 106-42-3 | 100 |

**Toxicological Data on Ingredients:** p-Xylene: ORAL (LD50): Acute: 5000 mg/kg [Rat.]. DERMAL (LD50): Acute: 12400 mg/kg [Rabbit.]. VAPOR (LC50): Acute: 4550 ppm 4 hour(s) [Rat].

## Section 3: Hazards Identification

**Potential Acute Health Effects:**
Very hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Potential Chronic Health Effects:**
Hazardous in case of skin contact (irritant), of eye contact (irritant).
Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to blood, kidneys, the nervous system, liver.
Repeated or prolonged exposure to the substance can produce target organs damage.

## Section 4: First Aid Measures

**Eye Contact:** Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

**Skin Contact:**
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Serious Skin Contact:**
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Not available.

**Ingestion:**
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** Flammable.

**Auto-Ignition Temperature:** 527°C (980.6°F)

**Flash Points:** CLOSED CUP: 25°C (77°F). OPEN CUP: 28.9°C (84°F) (Cleveland).

**Flammable Limits:** LOWER: 1.1% UPPER: 7%

**Products of Combustion:** These products are carbon oxides (CO, CO2).

**Fire Hazards in Presence of Various Substances:** Highly flammable in presence of open flames and sparks, of heat.

**Explosion Hazards in Presence of Various Substances:**
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:**
Flammable liquid, insoluble in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

**Special Remarks on Fire Hazards:**
Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:**
Toxic flammable liquid, insoluble or very slightly soluble in water.
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## Section 7: Handling and Storage

**Precautions:**
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents.

**Storage:**
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:**
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection:**
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:**
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:**
TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)
TWA: 434 STEL: 651 (mg/m3) from ACGIHConsult local authorities for acceptable exposure limits.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Liquid. (Liquid.)

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 106.17 g/mole

**Color:** Colorless.

**pH (1% soln/water):** Not applicable.

**Boiling Point:** 138°C (280.4°F)

**Melting Point:** 12°C (53.6°F)

**Critical Temperature:** Not available.

**Specific Gravity:** 0.86 (Water = 1)

**Vapor Pressure:** 9 mm of Hg (@ 20°C)

**Vapor Density:** 3.7 (Air = 1)

**Volatility:** Not available.

**Odor Threshold:** 0.62 ppm

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water, methanol, diethyl ether.

**Solubility:**
Easily soluble in methanol, diethyl ether.
Insoluble in cold water, hot water.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** No.

## Section 11: Toxicological Information

**Routes of Entry:** Eye contact.

**Toxicity to Animals:**
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 5000 mg/kg [Rat.].
Acute dermal toxicity (LD50): 12400 mg/kg [Rabbit.].
Acute toxicity of the vapor (LC50): 4550 ppm 4 hour(s) [Rat].

**Chronic Effects on Humans:** The substance is toxic to blood, kidneys, the nervous system, liver.

**Other Toxic Effects on Humans:**
Very hazardous in case of skin contact (irritant).
Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:**

863 Valley View Road
Eighty Four, PA 15330 U.S.A.
Telephone: (724) 941-9701
Fax: (724) 941-1369
Toll Free: 800-752-8472
e-mail: skctech@skcinc.com
WWW: www.skcinc.com

# Material Safety Data Sheet (MSDS)

**Tradename:** Toluene

## Section 16 .. Other Information

**NFPA Ratings:** **Health:** 2 **Flammability:** 3 **Reactivity:** 0

**Label Hazard Warning:**

**POISON! DANGER! HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. VAPOR HARMFUL. FLAMMABLE LIQUID AND VAPOR. MAY AFFECT LIVER, KIDNEYS, BLOOD SYSTEM, OR CENTRAL NERVOUS SYSTEM. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.**

**Label Precautions:**

- Keep away from heat, sparks and flame.
- Keep container closed.
- Use only with adequate ventilation.
- Wash thoroughly after handling.
- Avoid breathing vapor.
- Avoid contact with eyes, skin and clothing.

**Label First Aid:**

- Aspiration hazard. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head below hips to prevent aspiration into lungs.
- If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes.
- Wash clothing before reuse.
- In all cases call a physician immediately.

**Product Use:**

Laboratory Reagent.

**Revision Information:**

MSDS Section(s) changed since last revision of document include: 3.

Disclaimer:
**********
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**********

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier.
0900 Detected in maternal milk in human.
Narcotic effect; may cause nervous system disturbances.

**Special Remarks on other Toxic Effects on Humans:** Material is irritating to mucous membranes and upper respiratory tract.

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:**

## Section 14: Transport Information

**DOT Classification:** Class 3: Flammable liquid.

**Identification:** : Xylene : UN1307 PG: III

**Special Provisions for Transport:** Not available.

## Section 15: Other Regulatory Information

**Federal and State Regulations:**
Pennsylvania RTK: p-Xylene
Florida: p-Xylene
Massachusetts RTK: p-Xylene
New Jersey: p-Xylene
TSCA 8(b) inventory: p-Xylene
SARA 313 toxic chemical notification and release reporting: p-Xylene
CERCLA: Hazardous substances.: p-Xylene

**Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications:**

**WHMIS (Canada):**
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
CLASS D-2B: Material causing other toxic effects (TOXIC).

**DSCL (EEC):**
R10- Flammable.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R48/20- Harmful: danger of serious

damage to health by prolonged exposure through inhalation.

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Fire Hazard:** 3

**Reactivity:** 0

**Personal Protection:** h

**National Fire Protection Association (U.S.A.):**

**Health:** 2

**Flammability:** 3

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**
Gloves.
Lab coat.
Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

## Section 16: Other Information

**References:**
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987.
-Material safety data sheet emitted by: la Commission de la SantÃ© et de la SÃ©curitÃ© du Travail du QuÃ©bec.
-SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.
-The Sigma-Aldrich Library of Chemical Safety Data, Edition II.
-Guide de la loi et du rÃ¨glement sur le transport des marchandises dangeureuses au canada. Centre de conformitÃ© internatinal LtÃ©e. 1986.

**Other Special Considerations:** Not available.

**Created:** 10/10/2005 08:33 PM

**Last Updated:** 11/06/2008 12:00 PM

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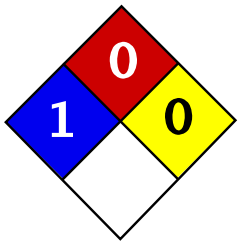


| | |
|---|---|
| Health | 1 |
| Fire | 0 |
| Reactivity | 0 |
| Personal Protection | E |

# Material Safety Data Sheet
## Lead MSDS

## Section 1: Chemical Product and Company Identification

**Product Name:** Lead

**Catalog Codes:** SLL1291, SLL1669, SLL1081, SLL1459, SLL1834

**CAS#:** 7439-92-1

**RTECS:** OF7525000

**TSCA:** TSCA 8(b) inventory: Lead

**CI#:** Not available.

**Synonym:** Lead Metal, granular; Lead Metal, foil; Lead Metal, sheet; Lead Metal, shot

**Chemical Name:** Lead

**Chemical Formula:** Pb

**Contact Information:**

**Sciencelab.com, Inc.**
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

**CHEMTREC (24HR Emergency Telephone), call:** 1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

## Section 2: Composition and Information on Ingredients

**Composition:**

| Name | CAS # | % by Weight |
|---|---|---|
| Lead | 7439-92-1 | 100 |

**Toxicological Data on Ingredients:** Lead LD50: Not available. LC50: Not available.

## Section 3: Hazards Identification

**Potential Acute Health Effects:** Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects:**
Slightly hazardous in case of skin contact (permeator).
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance may be toxic to blood, kidneys, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage.

## Section 4: First Aid Measures

**Eye Contact:**
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Serious Skin Contact:** Not available.

**Inhalation:**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

**Ingestion:**
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Some metallic oxides.

**Fire Hazards in Presence of Various Substances:** Non-flammable in presence of open flames and sparks, of shocks, of heat.

**Explosion Hazards in Presence of Various Substances:**
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:**
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** When heated to decomposition it emits highly toxic fumes of lead.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

**Small Spill:**
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not

present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## Section 7: Handling and Storage

**Precautions:**
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:**
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:**
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:**
TWA: 0.05 (mg/m3) from ACGIH (TLV) [United States]
TWA: 0.05 (mg/m3) from OSHA (PEL) [United States]
TWA: 0.03 (mg/m3) from NIOSH [United States]
TWA: 0.05 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Solid. (Metal solid.)

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 207.21 g/mole

**Color:** Bluish-white. Silvery. Gray

**pH (1% soln/water):** Not applicable.

**Boiling Point:** 1740°C (3164°F)

**Melting Point:** 327.43°C (621.4°F)

**Critical Temperature:** Not available.

**Specific Gravity:** 11.3 (Water = 1)

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Insoluble in cold water.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Incompatible materials, excess heat

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:**
Can react vigorously with oxidizing materials.
Incompatible with sodium carbide, chlorine trifluoride, trioxane + hydrogen peroxide, ammonium nitrate, sodium azide, disodium acetylide, sodium acetylide, hot concentrated nitric acid, hot concentrated hydrochloric acid, hot concentrated sulfuric acid, zirconium.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**Routes of Entry:** Absorbed through skin. Inhalation. Ingestion.

**Toxicity to Animals:**
LD50: Not available.
LC50: Not available.

**Chronic Effects on Humans:**
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC.
May cause damage to the following organs: blood, kidneys, central nervous system (CNS).

**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:**
Acute Potential:
Skin:
Lead metal granules or dust: May cause skin irritation by mechanical action.
Lead metal foil, shot or sheets: Not likely to cause skin irritation
Eyes:
Lead metal granules or dust: Can irritate eyes by mechanical action.

Lead metal foil, shot or sheets: No hazard. Will not cause eye irritation.
Inhalation:
In an industrial setting, exposure to lead mainly occurs from inhalation of dust or fumes.
Lead dust or fumes: Can irritate the upper respiratory tract (nose, throat) as well as the bronchi and lungsby mechanical action. Lead dust can be absorbed through the respiratory system. However, inhaled lead does not accumulate in the lungs. All of an inhaled dose is eventually abssorbed or transferred to the gastrointestinal tract. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly. Symptoms may include metallic taste, chest pain, decreased physical fitness, fatigue, sleep disturbance, headache, irritability, reduces memory, mood and personality changes, aching bones and muscles, constipation, abdominal pains, decreasing appetite. Inhalation of large amounts may lead to ataxia, deliriuim, convulsions/seizures, coma, and death.
Lead metal foil, shot, or sheets: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count.
Ingestion:
Lead metal granules or dust: The symptoms of lead poisoning include abdominal pain or cramps (lead cholic), spasms, nausea, vomiting, headache, muscle weakness, hallucinations, distorted perceptions, "lead line" on the gums, metallic taste, loss of appetite, insomnia, dizziness and other symptoms similar to that of inhalation. Acute poisoning may result in high lead levels in the blood and urine, shock, coma and death in extreme cases.
Lead metal foil, shot or sheets: Not an ingestion hazard for usual industrial handling.

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:**
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

## Section 15: Other Regulatory Information

**Federal and State Regulations:**
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Lead
California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Lead
California prop. 65: This product contains the following ingredients for which the State of California has found to

cause reproductive harm (male) which would require a warning under the statute: Lead
California prop. 65 (no significant risk level): Lead: 0.0005 mg/day (value)
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Lead
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Lead
Connecticut hazardous material survey.: Lead
Illinois toxic substances disclosure to employee act: Lead
Illinois chemical safety act: Lead
New York release reporting list: Lead
Rhode Island RTK hazardous substances: Lead
Pennsylvania RTK: Lead

**Other Regulations:**
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):** CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

**DSCL (EEC):**
R20/22- Harmful by inhalation and if swallowed.
R33- Danger of cumulative effects.
R61- May cause harm to the unborn child.
R62- Possible risk of impaired fertility.
S36/37- Wear suitable protective clothing and gloves.
S44- If you feel unwell, seek medical advice (show the label when possible).
S53- Avoid exposure - obtain special instructions before use.

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Safety glasses.

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/10/2005 08:21 PM

**Last Updated:** 11/06/2008 12:00 PM

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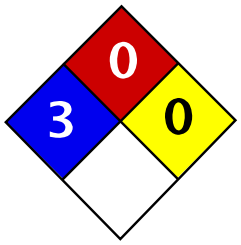


| | |
|---|---|
| Health | 3 |
| Fire | 0 |
| Reactivity | 0 |
| Personal Protection | |

# Material Safety Data Sheet
## Mercury MSDS

## Section 1: Chemical Product and Company Identification

**Product Name:** Mercury

**Catalog Codes:** SLM3505, SLM1363

**CAS#:** 7439-97-6

**RTECS:** OV4550000

**TSCA:** TSCA 8(b) inventory: Mercury

**CI#:** Not applicable.

**Synonym:** Quick Silver; Colloidal Mercury; Metallic Mercury; Liquid Silver; Hydragyrum

**Chemical Name:** Mercury

**Chemical Formula:** Hg

**Contact Information:**

**Sciencelab.com, Inc.**
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

**CHEMTREC (24HR Emergency Telephone), call:** 1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

## Section 2: Composition and Information on Ingredients

**Composition:**

| Name | CAS # | % by Weight |
|---|---|---|
| Mercury | 7439-97-6 | 100 |

**Toxicological Data on Ingredients:** Mercury LD50: Not available. LC50: Not available.

## Section 3: Hazards Identification

**Potential Acute Health Effects:**
Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive, permeator). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Potential Chronic Health Effects:**
Hazardous in case of skin contact (permeator).
CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. 3 (Not classifiable for human.) by IARC.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.
The substance may be toxic to blood, kidneys, liver, brain, peripheral nervous system, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

## Section 4: First Aid Measures

**Eye Contact:**
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

**Skin Contact:**
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

**Serious Skin Contact:**
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

**Inhalation:**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Serious Inhalation:**
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

**Ingestion:**
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:**
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:**
When thrown into mercury vapor, boron phosphodiiodide ignites at once.
Flame forms with chlorine jet over mercury surface at 200 deg to 300 deg C.
Mercury undergoes hazardous reactions in the presence of heat and sparks or ignition.

**Special Remarks on Explosion Hazards:**
A violent exothermic reaction or possible explosion occurs when mercury comes in contact with lithium and rubidium.
CHLORINE DIOXIDE & LIQUID HG, WHEN MIXED, EXPLODE VIOLENTLY.
Mercury and Ammonia can produce an explosive compound.
A mixture of the dry carbonyl and oxygen will explode on vigorous shaking with mercury.
Methyl azide in the presence of mercury was shown to be potentially explosive.

## Section 6: Accidental Release Measures

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:**
Corrosive liquid. Poisonous liquid.
Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## Section 7: Handling and Storage

**Precautions:**
Keep locked up.. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, metals.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:**
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection:**
Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

**Personal Protection in Case of a Large Spill:**
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:**
TWA: 0.025 from ACGIH (TLV) [United States] SKIN
TWA: 0.05 CEIL: 0.1 (mg/m3) from OSHA (PEL) [United States] Inhalation
TWA: 0.025 (mg/m3) [United Kingdom (UK)]
Consult local authorities for acceptable exposure limits.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Liquid. (Heavy liquid)

**Odor:** Odorless.

**Taste:** Not available.

**Molecular Weight:** 200.59 g/mole

**Color:** Silver-white

**pH (1% soln/water):** Not available.

**Boiling Point:** 356.73°C (674.1°F)

**Melting Point:** -38.87°C (-38°F)

**Critical Temperature:** 1462°C (2663.6°F)

**Specific Gravity:** 13.55 (Water = 1)

**Vapor Pressure:** Not available.

**Vapor Density:** 6.93 (Air = 1)

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Very slightly soluble in cold water.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Incompatible materials

**Incompatibility with various substances:** Reactive with oxidizing agents, metals.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:**
Ground mixtures of sodium carbide and mercury, aluminum, lead, or iron can react vigorously.
A violent exothermic reaction or possible explosion occurs when mercury comes in contact with lithium and rubidium.
Incompatible with boron diiodophosphide; ethylene oxide; metal oxides, metals(aluminum, potassium, lithium, sodium, rubidium); methyl azide; methylsilane, oxygen; oxidants(bromine, peroxyformic acid, chlorine dioxide, nitric acid, tetracarbonynickel, nitromethane, silver perchlorate, chlorates, sulfuric acid, nitrates,); tetracarbonylnickel, oxygen, acetylinic compounds, ammonia, ethylene oxide, methylsiliane, calcium,

**Special Remarks on Corrosivity:**
The high mobility and tendency to dispersion exhibited by mercury, and the ease with which it forms alloys

(amalga) with many laboratory and electrical contact metals, can cause severe corrosion problems in laboratories.
Special precautions: Mercury can attack copper and copper alloy materials.

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**Routes of Entry:** Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

**Toxicity to Animals:**
LD50: Not available.
LC50: Not available.

**Chronic Effects on Humans:**
CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. 3 (Not classifiable for human.) by IARC.
May cause damage to the following organs: blood, kidneys, liver, brain, peripheral nervous system, central nervous system (CNS).

**Other Toxic Effects on Humans:**
Very hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Hazardous in case of skin contact (corrosive, permeator).

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:**
May affect genetic material.
May cause cancer based on animal data.
Passes through the placental barrier in animal.
May cause adverse reproductive effects(paternal effects- spermatogenesis; effects on fertility - fetotoxicity, post-implantation mortality), and birth defects.

**Special Remarks on other Toxic Effects on Humans:**

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:**
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14: Transport Information

**DOT Classification:** Class 8: Corrosive material

**Identification:** : Mercury UNNA: 2809 PG: III

**Special Provisions for Transport:** Not available.

## Section 15: Other Regulatory Information

**Federal and State Regulations:**
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Mercury
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Mercury
Connecticut hazardous material survey.: Mercury
Illinois toxic substances disclosure to employee act: Mercury
Illinois chemical safety act: Mercury
New York acutely hazardous substances: Mercury
Rhode Island RTK hazardous substances: Mercury
Pennsylvania RTK: Mercury
Minnesota: Mercury
Massachusetts RTK: Mercury
New Jersey: Mercury
New Jersey spill list: Mercury
Louisiana spill reporting: Mercury
California Director's List of Hazardous Substances.: Mercury
TSCA 8(b) inventory: Mercury
SARA 313 toxic chemical notification and release reporting: Mercury
CERCLA: Hazardous substances.: Mercury: 1 lbs. (0.4536 kg)

**Other Regulations:**
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):**
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
CLASS E: Corrosive liquid.

**DSCL (EEC):**
R23- Toxic by inhalation.
R33- Danger of cumulative effects.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S2- Keep out of the reach of children.
S7- Keep container tightly closed.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39- Wear eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S46- If swallowed, seek medical advice immediately and show this container or label.
S60- This material and its container must be disposed of as hazardous waste.

S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

**HMIS (U.S.A.):**

**Health Hazard:** 3

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:**

**National Fire Protection Association (U.S.A.):**

**Health:** 3

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**
Gloves.
Full suit.
Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Face shield.

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/10/2005 08:22 PM

**Last Updated:** 11/06/2008 12:00 PM

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# MATERIAL SAFETY DATA SHEET

## (POLYCHLORINATED BIPHENYLS)

**COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients Name: polychlorinated biphenyls (PCBs)

**HAZARD IDENTIFICATION**

Reports of Carcinogenicity: YES

**HEALTH HAZARDS ACUTE AND CHRONIC**

- **Eyes**: Moderately irritating to eye tissues.
- **Skin**: Can be absorbed through intact skin, may cause de-fatting, potential for chloracne.
- **Inhalation**: Possible liver injury.
- **Ingestion**: Slightly toxic; reasonably anticipated to be carcinogenic.

**EFFECTS OF OVER-EXPOSURE**

Can cause dermatological symptoms; however, these are reversible upon removal of exposure source.

**FIRST AID MEASURES**

- **Eyes**: Irrigate immediately with copious quantities of running water for at least 15 minutes if liquid or solid PCBs get into them.
- **Skin:** Contaminated clothing should be removed and the skin washed thoroughly with soap and water. Hot PCBs may cause thermal burns.
- **Inhalation**: Remove to fresh air; if skin rash or respiratory irritation persists, consult a physician (if electrical equipment arcs over, PCBs may decompose to produce hydrochloric acid).
- **Ingestion**: Consult a physician. Do not induce vomiting or give any oily laxatives. (If large amounts are ingested, gastric lavage is suggested).

**FIRE FIGHTING MEASURES:** Flash Point: >141 $^{o}$C (285.8 $^{o}$F)

**EXTINGUISHING MEDIA:** PCBs are fire-resistant compounds.

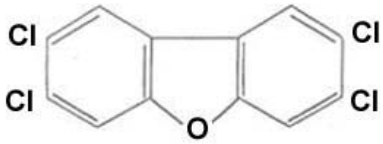
## FIRE-FIGHTING PROCEDURES

Standard fire-fighting wearing apparel and self-contained breathing apparatus should be worn when fighting fires that involve possible exposure to chemical combustion products. Fire fighting equipment should be thoroughly cleaned and decontaminated after use.

## UNUSUAL FIRE/EXPLOSION HAZARD

If a PCB transformer is involved in a fire-related incident, the owner of the transformer is required to report the incident. Consult and follow appropriate federal, provincial and local regulations.

***Note**: When askarel liquid becomes involved in a fire, toxic by-products of combustion are typically produced including polychlorinated dibenzofurans and polychlorinated dibenzodioxins, both known carcinogens. The structures of these chemical species are as follows:*

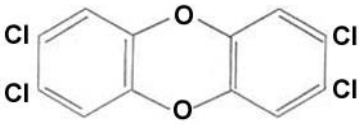



**$C_{12}H_{8-n}Cl_nO$**

**n = 4 - 8**

**TCDF**

**2,3,7,8-tetrachlorodibenzofuran**




**$C_{12}H_{8-n}Cl_nO_2$**

**n = 4 - 8**

**TCDD**

**2,3,7,8-tetrachloro-dibenzo-p-dioxin**

***Note**: 2,3,7,8-tetrachloro-dibenzo-p-dioxin is one of the most potent teratogenic, mutagenic and carcinogenic agents known to man.*

## SPILL RELEASE PROCEDURES

Cleanup & disposal of liquid PCBs are strictly regulated by the federal government. Ventilate area. Contain spill/leak. Remove spill by means of absorptive material. Spill clean-up personnel should use proper protective clothing. All wastes and residues containing PCBs should be collected, containerized, marked and disposed of in the manner prescribed by applicable federal, provincial and local laws.

## HANDLING AND STORAGE PRECAUTIONS

Care should be taken to prevent entry into the environment through spills, leakage, use, vaporization, or disposal of liquid. Avoid prolonged breathing of vapours or mists. Avoid contact with eyes or prolonged contact with skin. Comply with all federal, provincial and local regulations.

## OTHER PRECAUTIONS

Federal regulations require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be appropriately labelled.

## RESPIRATORY PROTECTION

Use OHSA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical splash goggles. The respirator use limitations specified by the manufacturer must be observed.

## VENTILATION

Provide natural or mechanical ventilation to control exposure levels below airborne exposure levels.

**PROTECTIVE GLOVES:** Wear appropriate chemical resistant gloves to prevent skin contact.

**EYE PROTECTION:** Wear chemical splash goggles and have eye baths available.

## OTHER PROTECTIVE EQUIPMENT

Wear appropriate protective clothing. Provide a safety shower at any location where skin contact can occur.

## WORK HYGIENIC PRACTICES

Wash thoroughly after handling. Supplemental safety and health : none

## PHYSICAL/CHEMICAL PROPERTIES

- **Vapour pressure:** (mm Hg @100 $^{o}$F) 0.005 - 0.00006
- **Viscosity:** (CENTISTOKES) 3.6 - 540
- **Stability indicator/materials to avoid:** Yes
- **Stability Condition to Avoid:** PCBs are very stable, fire-resistant compounds.

## HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, hydrogen chloride, phenolics, aldehydes, furans, dioxins

## WASTE DISPOSAL METHODS

Consult the applicable PCB regulations prior to any disposal of PCBs or PCB-contaminated items.

# APPENDIX E

## Community Air Monitoring Plan

# APPENDIX F

## Geophysical Work Summary and Maps

# APPENDIX G

## Soil Boring, Test Pit and Geologic Logs

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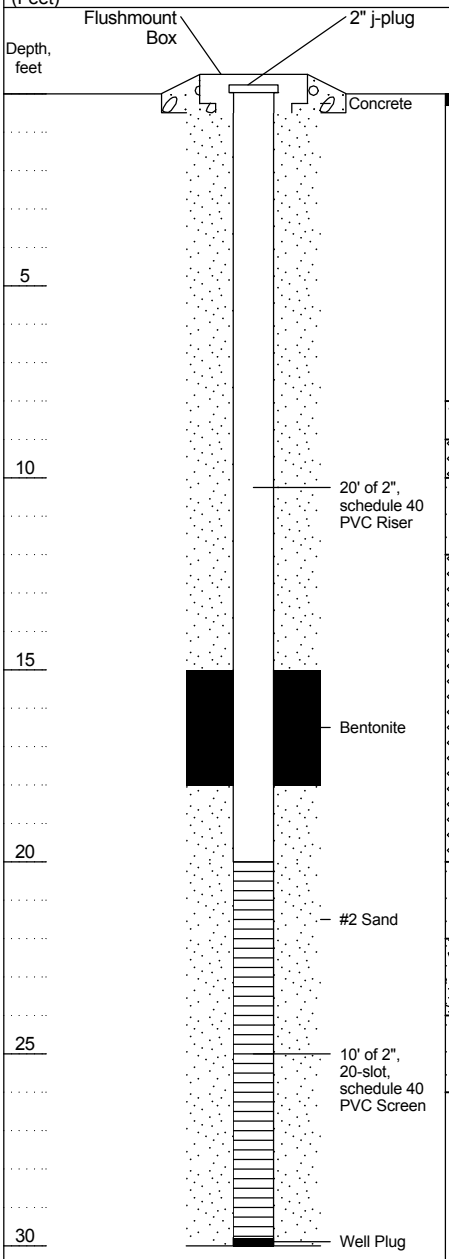
# WELL CONSTRUCTION LOG

| | | | | |
|---|---|---|---|---|
| WELL NO. **SB-1/MW-1** | NORTHING **Not Measured** | EASTING **Not Measured** | | |
| PROJECT NO./NAME **1633.0005Y000 / Top 8 Construction** | | LOCATION **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY **J.Diminich** | LOGGED BY **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER **Associated Env Services / Chuck Blumberg** | | GEOGRAPHIC AREA **Located in NE corner of the site within the former body repair shop** | | |
| DRILL BIT DIAMETER/TYPE **4.25-in. / Auger** | BOREHOLE DIAMETER **8-inches** | DRILLING EQUIPMENT/METHOD **Dietrich D120 / HSA** | SAMPLING METHOD **2" Macro-Core** | START-FINISH DATE **4/28/10-5/3/10** |
| CASING MAT./DIA. **PVC / 2-inch** | SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **10.0**ft DIA. **2-inch** SLOT SIZE **20-Slot** | | | |
| ELEVATION OF: (Feet) GROUND SURFACE | TOP OF WELL CASING | TOP & BOTTOM SCREEN **/** | GRAVEL PACK SIZES **#2** | |




| Depth, feet | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|
| | ASPHALT | | | |
| | Brown, fine SAND, some Silt; moist (fill) | | 0.2 | Hand cleared to 3 ft bls. Sample SB-1/MW-1/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | G | 0.3 | |
| 5 | | | 0.4 | |
| | Brown, fine SAND and SILT; moist (fill) | | 0.1 | |
| | CONCRETE | | 0.2 | |
| 10 | Brown, fine SAND, some coarse Sand, little Silt; moist | | | |
| | Light brown, coarse SAND, little medium Sand; moist | | 0.7 | |
| | Light brown, fine to coarse SAND; moist | | 0.9 | |
| 15 | | | 1.0 | |
| | | | 0.6 | |
| | | | 1.1 | |
| 20 | | | | |
| | Light brown, medium SAND; moist | | 0.7 | |
| | Light brown, medium SAND, little Gravel; moist | | 1.3 | |
| 25 | Light brown, medium SAND; moist | | 0.9 | Sample SB-1/MW-1/24-26 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | No Recovery | | | |
| 30 | | | | |
| 35 | | | | Bottom of boring at 35 ft bls. |

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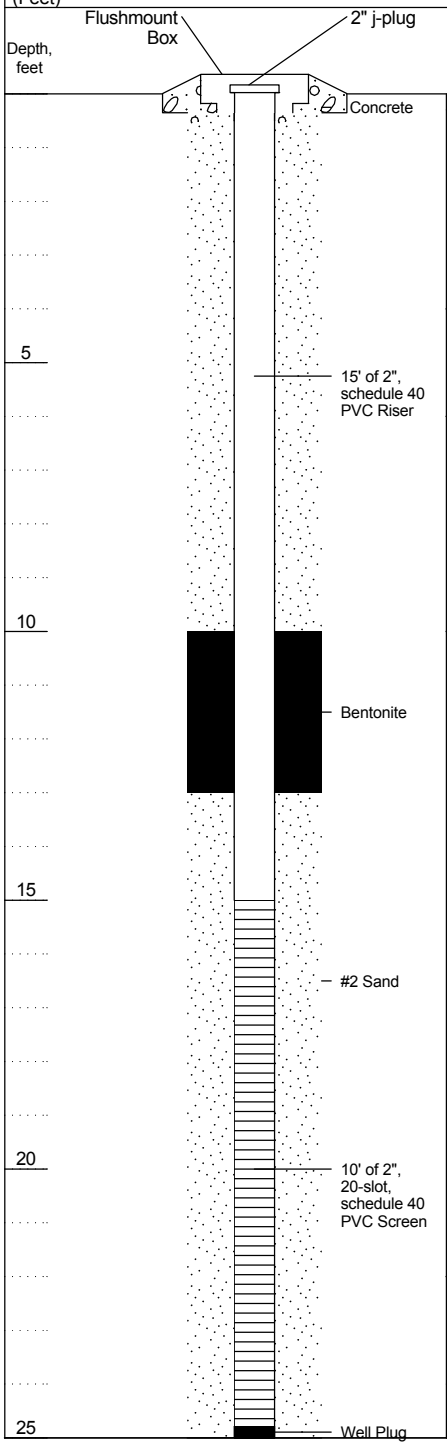
# WELL CONSTRUCTION LOG

| | | | | |
|---|---|---|---|---|
| WELL NO. **SB-2/MW-2** | NORTHING **Not Measured** | EASTING **Not Measured** | | |
| PROJECT NO./NAME **1633.0005Y000 / Top 8 Construction** | | LOCATION **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY **J.Diminich** | LOGGED BY **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER **Associated Env Services / Chuck Blumberg** | | GEOGRAPHIC AREA **Located in SE corner of the lot within the former gasoline USTs** | | |
| DRILL BIT DIAMETER/TYPE **3-in. / Drive Sampler** | BOREHOLE DIAMETER **3-inches** | DRILLING EQUIPMENT/METHOD **6610 DT / Geoprobe** | SAMPLING METHOD **2" Macro-Core** | START-FINISH DATE **4/30/10-4/30/10** |
| CASING MAT./DIA. **PVC / 2-inch** | SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **10.0**ft DIA. **2-inch** SLOT SIZE **20-Slot** | | | |
| ELEVATION OF: (Feet) GROUND SURFACE | TOP OF WELL CASING | TOP & BOTTOM SCREEN **/** | GRAVEL PACK SIZES **#2** | |




| Depth, feet | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|
| | ASPHALT | | | |
| | Brown, fine to coarse SAND, some Gravel and Brick; moist (fill) | | 0.5 | Hand cleared to 3 ft bls. Sample SB-2/MW-2/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | | 0.7 | |
| | Light orange brown, fine SAND and SILT, little Clay; moist | | 1.1 | |
| 5 | | | | 5 |
| | Orange brown, fine SAND, little Gravel; moist | | 1.2 | |
| | | | 0.9 | |
| 10 | | | | 10 |
| | Orange brown, fine to medium SAND; moist | | 0.8 | |
| | | | 0.8 | |
| | | | 1.1 | |
| 15 | | | | 15 |
| | Orange brown, coarse SAND; moist | | 0.9 | |
| | Orange brown, fine SAND; moist | | 0.2 | Sample SB-2/MW-2/18-20 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| 20 | | | | 20 |
| | Orange brown, coarse SAND; wet | | 1.1 | Water table observed to 20 ft bls. |
| | Light orange brown, fine SAND and SILT, little Clay; wet | | 0.0 | |
| | No Lithology | | | Bottom of boring at 24 ft bls. Pushed down to 25 ft bls for well installation. |
| 25 | | | | 25 |

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# WELL CONSTRUCTION LOG

| WELL NO. | NORTHING | EASTING |
|---|---|---|
| SB-3/MW-3 | Not Measured | Not Measured |

| PROJECT NO./NAME | LOCATION |
|---|---|
| 1633.0005Y000 / Top 8 Construction | 133-42 39th Avenue<br>Flushing, New York |

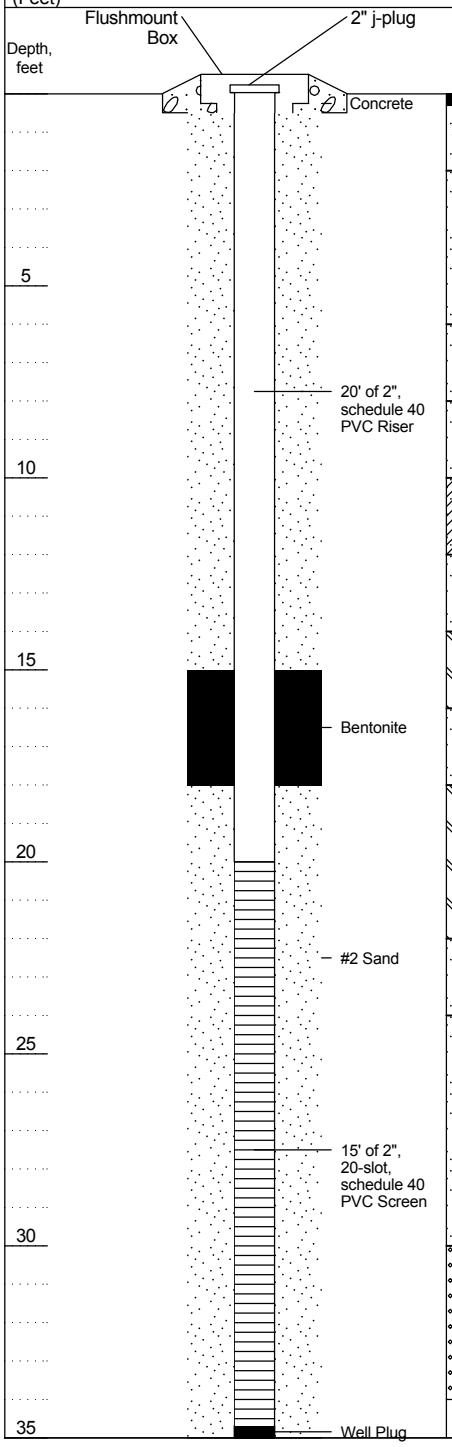
| APPROVED BY | LOGGED BY |
|---|---|
| J.Diminich | J. Wills |

| DRILLING CONTRACTOR/DRILLER | GEOGRAPHIC AREA |
|---|---|
| Associated Env Services / John Vice | Located in the center of the lot |

| DRILL BIT DIAMETER/TYPE | BOREHOLE DIAMETER | DRILLING EQUIPMENT/METHOD | SAMPLING METHOD | START-FINISH DATE |
|---|---|---|---|---|
| 4.25-in. / Auger | 8-inches | Dietrich D120 / HSA | 2" Macro-Core | 4/29/10-5/4/10 |

| CASING MAT./DIA. | SCREEN: TYPE | MAT. | TOTAL LENGTH | DIA. | SLOT SIZE |
|---|---|---|---|---|---|
| PVC / 2-inch | Slotted | PVC | 15.0ft | 2-inch | 20-Slot |

| ELEVATION OF: (Feet) | GROUND SURFACE | TOP OF WELL CASING | TOP & BOTTOM SCREEN | GRAVEL PACK SIZES |
|---|---|---|---|---|
| | | | / | #2 |




| Depth, feet | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|
| | ASPHALT | | 0.2 | Hand cleared to 3 ft bls. Sample SB-3/MW-3/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | Light brown, medium to coarse SAND, little Brick; moist (fill) | G | 2.2 | |
| | Light brown, medium SAND; moist | | 2.5 | |
| 5 | Light orange brown, medium SAND; moist | | 0.3 | |
| | Light brown to grey, fine SAND and SILT, little Clay; moist | | 0.6 | |
| | Orange brown to light grey, fine SAND, little Clay; moist | | 1.2 | |
| 10 | Grey to Orange brown, CLAY and fine SAND; moist | | 1.1 | |
| | Light brown, fine SAND; moist | | 0.9 | |
| | Reddish brown to grey, CLAY; moist | | 0.1 | |
| 15 | Orange brown, fine to medium SAND; moist | | 0.5 | |
| | Reddish brown, CLAY; moist | | 0.2 | |
| 20 | | | 0.1 | |
| | Brown, fine SAND and SILT; moist | | 0.1 | |
| | Light brown, fine to medium SAND and SILT; moist | | 0.2 | |
| 25 | | | 0.2 | Sample SB-3/MW-3/28-30 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. Water table observed at 30 ft bls. |
| | Brown, fine to coarse SAND; wet | | 0.8 | |
| 30 | | | 1.1 | |
| 35 | | | | Bottom of boring at 34 ft bls. Augered to 35 ft bls for well installation. |

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# SOIL BORING LOG

| WELL NO. | NORTHING | EASTING | | |
|---|---|---|---|---|
| **SB-4** | **Not Measured** | **Not Measured** | | |
| PROJECT NO./NAME | | LOCATION | | |
| **1633.0005Y000 / Top 8 Construction** | | **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY | LOGGED BY | | | |
| **J.Diminich** | **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER | | GEOGRAPHIC AREA | | |
| **Associated Env Services / John Vice** | | **Located south of SB-1/MW-4** | | |
| DRILL BIT DIAMETER/TYPE | BOREHOLE DIAMETER | DRILLING EQUIPMENT/METHOD | SAMPLING METHOD | START-FINISH DATE |
| **3-in. / Drive Sampler** | **3-inches** | **6610 DT / Geoprobe** | **2" Macro-Core** | **4/28/10-4/28/10** |
| LAND SURFACE ELEVATION | DEPTH TO WATER | BACKFILL | | |
| **Not Measured** | **24 (Feet BLS)** | **Soil Cuttings** | | |

| Depth, feet | Graphic Log | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|---|
| | | ASPHALT | | | |
| | | Brown, fine to coarse SAND and SLAG, some Glass, Lumber and Plastic; moist (fill) | | 0.7 | Hand cleared to 3 ft bls. Sample SB-4/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | | G | 2.6 | |
| | | Brown, medium to coarse SAND, little Silt, trace gravel; moist | | 1.1 | |
| 5 | | | | | |
| | | Brown, fine to medium SAND, little Silt; moist | | 3.6 | |
| | | Red to orange brown, medium SAND; moist | | 6.9 | Sample SB-4/8-10 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| 10 | | | | | |
| | | Light brown to orange, fine to medium SAND; moist | | 5.9 | |
| | | Light brown, fine to coarse SAND; moist | | 4.2 | |
| | | Light brown, fine to coarse SAND, trace gravel; moist | | 4.5 | |
| 15 | | | | | |
| | | Light brown, coarse SAND, little Gravel; moist | | 0.4 | |
| | | | | 0.1 | |
| 20 | | | | | |
| | | Orange brown, fine SAND; moist | | 0.5 | |
| | | | | 0.8 | |
| | | Orange brown, fine SAND; wet | | 0.5 | Water table observed at 24 ft bls. |
| 25 | | | | | |
| | | | | | Bottom of boring at 26 ft bls. |

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# WELL CONSTRUCTION LOG

| WELL NO. | NORTHING | EASTING |
|---|---|---|
| **SB-5/MW-5** | **Not Measured** | **Not Measured** |

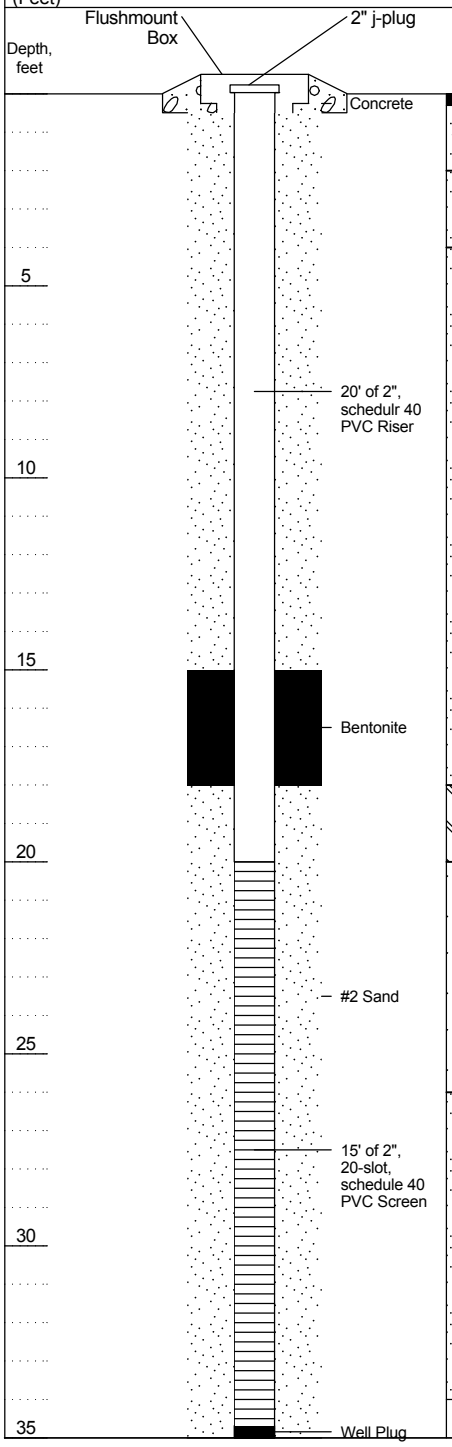
| PROJECT NO./NAME | LOCATION |
|---|---|
| **1633.0005Y000 / Top 8 Construction** | **133-42 39th Avenue** |
| APPROVED BY: **J.Diminich** / LOGGED BY: **J. Wills** | **Flushing, New York** |
| DRILLING CONTRACTOR/DRILLER: **Associated Env Services / Chuck Blumberg** | GEOGRAPHIC AREA: **Located in the SW corner of the lot** |

| DRILL BIT DIAMETER/TYPE | BOREHOLE DIAMETER | DRILLING EQUIPMENT/METHOD | SAMPLING METHOD | START-FINISH DATE |
|---|---|---|---|---|
| **4.25-in. / Auger** | **8-inches** | **Dietrich D120 / HSA** | **2" Macro-Core** | **4/29/10-5/4/10** |

CASING MAT./DIA.: **PVC / 2-inch**

SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **15.0**ft DIA. **2-inch** SLOT SIZE **20-Slot**

ELEVATION OF: (Feet) GROUND SURFACE / TOP OF WELL CASING / TOP & BOTTOM SCREEN **/** GRAVEL PACK SIZES **#2**




| Depth, feet | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|
| | ASPHALT | | 0.3 | Hand cleared to 3 ft bls. Sample SB-5/MW-5/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCB. |
| | Light reddish brown, fine SAND and SILT, little Gravel; moist (fill) | G | | |
| | Light reddish brown, SAND and SILT; moist | | 0.5 | |
| | Orange brown, fine to medium SAND; moist | | 0.2 | |
| 5 | | | 0.1 | |
| | | | 1.2 | |
| 10 | | | 1.1 | |
| | | | 0.7 | |
| | | | 1.3 | |
| 15 | | | 1.0 | |
| | Reddish brown, CLAY; moist | | 0.1 | |
| 20 | | | | |
| | Reddish brown, SILT and fine SAND; wet | | 0.0 | |
| | Reddish brown, SILT and fine SAND, little Clay; wet | | 0.2 | |
| | Reddish brown, SILT and fine SAND; moist | | 0.1 | |
| 25 | | | | |
| | Light brown, fine to medium SAND; moist | | 0.1 | |
| | | | 0.1 | Sample SB-5/MW-5/28-30 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCB. Water table observed at 30 ft bls. |
| 30 | Light brown, fine to medium SAND; wet | | 0.1 | |
| | | | 0.1 | |
| 35 | | | | Bottom of boring at 34 ft bls. Augered to 35 ft bls for well installation. |

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# SOIL BORING LOG

| WELL NO. | NORTHING | EASTING | | |
|---|---|---|---|---|
| **SB-6** | **Not Measured** | **Not Measured** | | |
| PROJECT NO./NAME | | LOCATION | | |
| **1633.0005Y000 / Top 8 Construction** | | **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY | LOGGED BY | | | |
| **J.Diminich** | **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER | | GEOGRAPHIC AREA | | |
| **Associated Env Services / John Vice** | | **Located West of SB-1/MW-1** | | |
| DRILL BIT DIAMETER/TYPE | BOREHOLE DIAMETER | DRILLING EQUIPMENT/METHOD | SAMPLING METHOD | START-FINISH DATE |
| **3-in. / Drive Sampler** | **3-inches** | **6610 DT / Geoprobe** | **2" Macro-Core** | **4/28/10-4/28/10** |
| LAND SURFACE ELEVATION | DEPTH TO WATER | BACKFILL | | |
| **Not Measured** | **26 (Feet BLS)** | **Soil Cuttings** | | |

| Depth, feet | Graphic Log | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|---|
| | | ASPHALT | | | |
| | | Light brown, fine SAND, little Slag, Brick and Cobble; moist (fill) | | 0.5 | Hand cleared to 3 ft bls. Sample SB-6/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | Brown, fine to coarse SAND, little Brick; moist (fill) | | 0.7 | |
| 5 | | Brown, fine to coarse SAND and BRICK; moist (fill) | | 0.9 | |
| | | Light brown, fine to medium SAND; moist | | 1.2 | |
| | | | | 1.0 | |
| 10 | | | | 1.1 | |
| | | | | 1.0 | |
| 15 | | | | 0.7 | |
| | | | | 0.6 | |
| | | | | 1.3 | |
| 20 | | | | 1.2 | |
| | | Light brown, fine to medium SAND; moist-wet | | 1.4 | Sample SB-6/22-24 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| 25 | | | | 1.0 | |
| | | Brown, medium to coarse SAND, little Gravel; wet | | 1.1 | Water table observed at 26 ft bls. |
| | | | | 1.1 | |
| 30 | | | | | Bottom of boring at 30 ft bls. |

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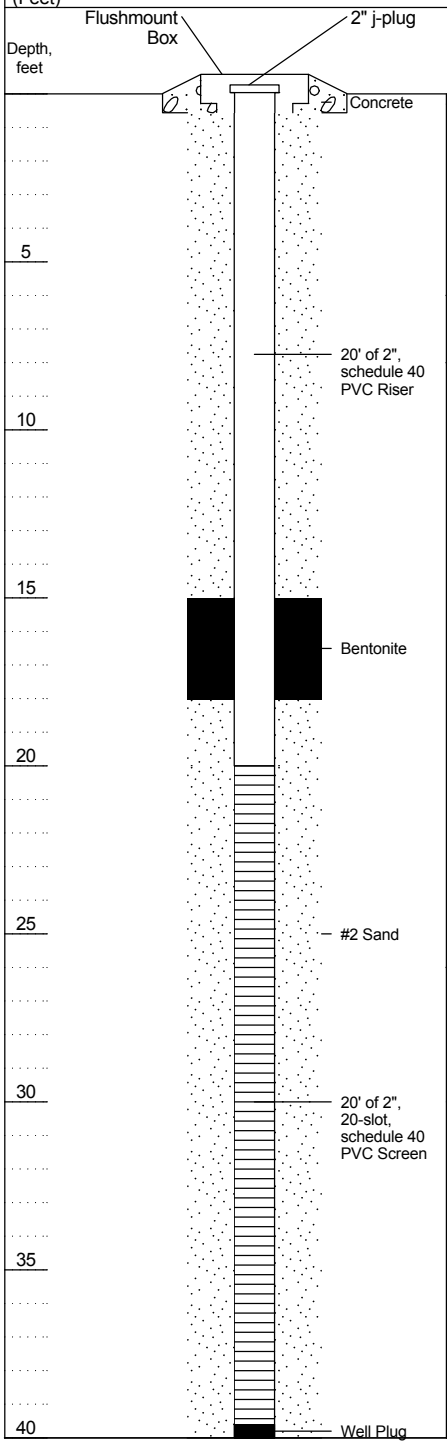
# WELL CONSTRUCTION LOG

| | | | | |
|---|---|---|---|---|
| WELL NO. **SB-7/MW-4** | NORTHING **Not Measured** | EASTING **Not Measured** | | |
| PROJECT NO./NAME **1633.0005Y000 / Top 8 Construction** | | LOCATION **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY **J.Diminich** | LOGGED BY **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER **Associated Env Services / Chuck Blumberg** | | GEOGRAPHIC AREA **Located in the NW corner of the lot** | | |
| DRILL BIT DIAMETER/TYPE **4.25-in. / Auger** | BOREHOLE DIAMETER **8-inches** | DRILLING EQUIPMENT/METHOD **Dietrich D120 / HSA** | SAMPLING METHOD **2" Macro-Core** | START-FINISH DATE **4/29/10-5/3/10** |
| CASING MAT./DIA. **PVC / 2-inch** | SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **20.0**ft DIA. **2-inch** SLOT SIZE **20-Slot** | | | |
| ELEVATION OF: (Feet) GROUND SURFACE / TOP OF WELL CASING / TOP & BOTTOM SCREEN | | | GRAVEL PACK SIZES **#2** | |




| Depth, feet | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|
| | ASPHALT | | 3.8 | Hand cleared to 3 ft bls. Sample SB-7/MW-4/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | Brown, fine to coarse SAND, little Gravel and Brick; moist (fill) | G | 1.2 | |
| 5 | | | 4.5 | |
| | Light brown, fine to medium SAND, little Silt; moist | | 1.1 | |
| | Reddish brown, CLAY; moist | | 0.5 | |
| 10 | | | 1.1 | |
| | | | 0.7 | |
| 15 | | | 0.8 | |
| | | | 0.9 | |
| | | | 1.2 | |
| 20 | | | 0.6 | |
| | | | 0.6 | |
| 25 | | | 0.7 | Sample SB-7/MW-4/25-27 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | Reddish brown, fine to coarse SAND, little Silt; moist to wet | | 0.3 | |
| | | | 0.8 | |
| 30 | No Lithology | | | Bottom of boring at 30 ft bls. Augered to 40 ft bls for well installation. |
| 35 | | | | |
| 40 | | | | |

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# SOIL BORING LOG

| WELL NO. | NORTHING | EASTING | | |
|---|---|---|---|---|
| **SB-8** | **Not Measured** | **Not Measured** | | |
| PROJECT NO./NAME | | LOCATION | | |
| **1633.0005Y000 / Top 8 Construction** | | **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY | LOGGED BY | | | |
| **J.Diminich** | **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER | | GEOGRAPHIC AREA | | |
| **Associated Env Services / John Vice** | | **Located in the Soutn-Central portion of the lot** | | |
| DRILL BIT DIAMETER/TYPE | BOREHOLE DIAMETER | DRILLING EQUIPMENT/METHOD | SAMPLING METHOD | START-FINISH DATE |
| **3-in. / Drive Sampler** | **3-inches** | **6610 DT / Geoprobe** | **2" Macro-Core** | **4/29/10-4/29/10** |
| LAND SURFACE ELEVATION | DEPTH TO WATER | BACKFILL | | |
| **Not Measured** | **22 (Feet BLS)** | **Soil Cuttings** | | |

| Depth, feet | Graphic Log | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|---|
| | | ASPHALT | | | Hand cleared to 3 ft bls. |
| | | Light brown, medium to coarse SAND, little Gravel and Brick; moist (fill) | | 0.7 | Sample SB-8/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | | | 0.9 | |
| | | | | 1.1 | |
| 5 | | | | | 5 |
| | | Light orange brown, fine to medium SAND; moist | | 1.0 | |
| | | Light brown, fine to coarse SAND and GRAVEL; dry | | 1.0 | |
| 10 | | | | | 10 |
| | | Light brown, fine to medium SAND; moist | | 0.7 | |
| | | | | 0.6 | |
| | | | | 0.8 | |
| 15 | | | | | 15 |
| | | | | 1.3 | |
| | | | | 1.3 | |
| 20 | | | | | 20 |
| | | | | 1.3 | Sample SB-8/20-22 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | Reddish brown, CLAY; wet | | 0.2 | Water table observed at 22 ft bls. |
| | | | | | Bottom of boring at 24 ft bls. |

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# SOIL BORING LOG

| WELL NO. | NORTHING | EASTING | | |
|---|---|---|---|---|
| **SB-9** | **Not Measured** | **Not Measured** | | |
| PROJECT NO./NAME | | LOCATION | | |
| **1633.0005Y000 / Top 8 Construction** | | **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY | LOGGED BY | | | |
| **J.Diminich** | **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER | | GEOGRAPHIC AREA | | |
| **Associated Env Services / John Vice** | | **Located West of SB-2/MW-2** | | |
| DRILL BIT DIAMETER/TYPE | BOREHOLE DIAMETER | DRILLING EQUIPMENT/METHOD | SAMPLING METHOD | START-FINISH DATE |
| **3-in. / Drive Sampler** | **3-inches** | **6610 DT / Geoprobe** | **2" Macro-Core** | **4/30/10-4/30/10** |
| LAND SURFACE ELEVATION | DEPTH TO WATER | BACKFILL | | |
| **Not Measured** | **18 (Feet BLS)** | **Soil Cuttings** | | |

| Depth, feet | Graphic Log | Visual Description | Blow Counts per 6" | | PID Values (ppm) | REMARKS |
|---|---|---|---|---|---|---|
| | | ASPHALT | | | | |
| | | Dark brown, fine to coarse SAND, some Silt and Gravel, little Lumber; moist (fill) | | G | 8.1 | Hand cleared to 3 ft bls. Slight HC odor. Sample SB-9/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | | | | 6.2 | |
| | | Light orange brown, fine to medium SAND; moist | | | 1.1 | |
| 5 | | | | | | |
| | | | | | 2.5 | |
| | | | | | 1.2 | |
| 10 | | | | | | |
| | | | | | 1.7 | |
| | | | | | 2.1 | |
| | | | | | 2.2 | |
| 15 | | | | | | |
| | | | | | 1.3 | Sample SB-9/16-18 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | Light orange brown, fine SAND; wet | | | 1.7 | Water table observed at 18 ft bls. |
| 20 | | | | | | Bottom of boring at 20 ft bls. |

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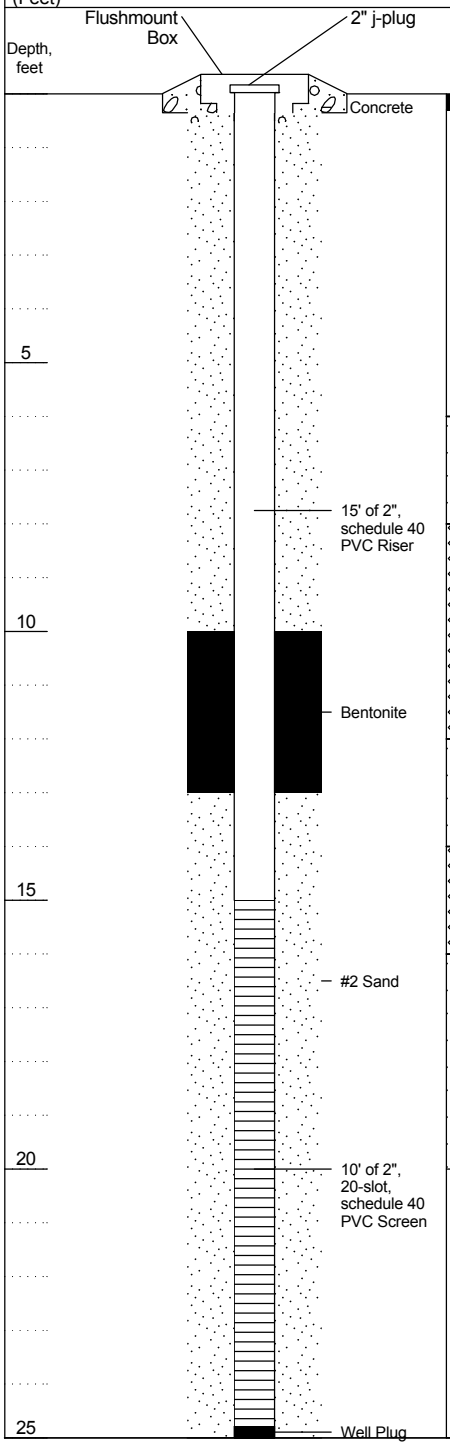
# WELL CONSTRUCTION LOG

| | | | | |
|---|---|---|---|---|
| WELL NO. **SB-10/MW-6** | NORTHING **Not Measured** | EASTING **Not Measured** | | |
| PROJECT NO./NAME **1633.0005Y000 / Top 8 Construction** | | LOCATION **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY **J.Diminich** | LOGGED BY **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER **Associated Env Services / Chuck Blumberg** | | GEOGRAPHIC AREA **Located in SE corner of the lot near Roosevelt Ave** | | |
| DRILL BIT DIAMETER/TYPE **3-in. / Drive Sampler** | BOREHOLE DIAMETER **3-inches** | DRILLING EQUIPMENT/METHOD **6610 DT / Geoprobe** | SAMPLING METHOD **2" Macro-Core** | START-FINISH DATE **4/30/10-4/30/10** |
| CASING MAT./DIA. **PVC / 2-inch** | SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **10.0**ft DIA. **2-inch** SLOT SIZE **20-Slot** | | | |
| ELEVATION OF: (Feet) GROUND SURFACE / TOP OF WELL CASING / TOP & BOTTOM SCREEN | | | | GRAVEL PACK SIZES **#2** |




| Depth, feet | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|
| | ASPHALT | | | |
| | Reddish brown, fine to coarse SAND and BRICK; moist (fill) | | 1.3 | Hand cleared to 3 ft bls. Sample SB-10/MW-6/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | | 1.1 | |
| | | | 2.1 | |
| 5 | | | | |
| | Orange brown, fine SAND; moist | | 1.4 | |
| | Light orange brown, fine to coarse SAND; moist | | 0.3 | |
| 10 | | | | |
| | Light brown, fine to coarse SAND; moist | | 0.2 | |
| | Light brown, fine SAND; moist | | 0.2 | |
| | Light brown, fine to coarse SAND; moist | | 0.5 | Sample SB-10/MW-6/14-16 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| 15 | | | | |
| | Reddish brown, fine to medium SAND; wet | | 0.0 | Water table observaed at 16 ft bls. |
| | | | 0.0 | |
| 20 | | | | |
| | No Lithology | | | Bottom of boring at 20 ft bls. Pushed to 25 ft bls for well installation. |
| 25 | | | | |

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# SOIL BORING LOG

| WELL NO. | NORTHING | EASTING | | |
|---|---|---|---|---|
| **SB-11** | **Not Measured** | **Not Measured** | | |
| PROJECT NO./NAME | | LOCATION | | |
| **1633.0005Y000 / Top 8 Construction** | | **133-42 39th Avenue Flushing, New York** | | |
| APPROVED BY | LOGGED BY | | | |
| **J.Diminich** | **J. Wills** | | | |
| DRILLING CONTRACTOR/DRILLER | | GEOGRAPHIC AREA | | |
| **Associated Env Services / John Vice** | | **Located south of SB-3** | | |
| DRILL BIT DIAMETER/TYPE | BOREHOLE DIAMETER | DRILLING EQUIPMENT/METHOD | SAMPLING METHOD | START-FINISH DATE |
| **3-in. / Drive Sampler** | **3-inches** | **6610 DT / Geoprobe** | **2" Macro-Core** | **4/29/10-4/29/10** |
| LAND SURFACE ELEVATION | DEPTH TO WATER | BACKFILL | | |
| **Not Measured** | **24 (Feet BLS)** | **Soil Cuttings** | | |

| Depth, feet | Graphic Log | Visual Description | Blow Counts per 6" | PID Values (ppm) | REMARKS |
|---|---|---|---|---|---|
| | | ASPHALT | | | |
| | | Brown to light brown, medium to coarse SAND, little Brick; moist (fill) | | 1.1 | Hand cleared to 3 ft bls. Sample SB-11/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | Light brown, medium to coarse SAND, little fine Sand, Brick and Gravel; moist (fill) | | 0.3 | |
| | | Light brown, medium SAND; moist (fill) | | 0.5 | |
| 5 | | | | | |
| | | Light brown to brown, medium to coarse SAND and GRAVEL; moist (fill) | | 0.5 | |
| | | | | 0.7 | |
| 10 | | | | | |
| | | | | 0.8 | |
| | | Reddish brown, medium SAND; moist | | 1.1 | |
| | | | | 1.2 | |
| 15 | | | | | |
| | | | | 0.9 | |
| | | | | 1.0 | |
| 20 | | | | | |
| | | | | 1.1 | |
| | | | | 1.1 | Sample SB-11/22-24 collected for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides and PCBs. |
| | | Reddish brown, medium SAND; wet | | 1.0 | Water table observed at 24 ft bls. |
| 25 | | | | | |
| | | | | | Bottom of boring at 26 ft bls. |

# APPENDIX H

## Groundwater Sampling Logs

**See field notes**

**~~Before Well Purging~~**

| ~~Well ID Number~~ | ~~Date & Time~~ | ~~Weather Condition~~ | ~~PID and/or FID reading (taken from the well immediately after the cap is removed)~~ | ~~Thickness of NAPL (if present)~~ | ~~pH~~ | ~~Dissolved Oxygen~~ | ~~Temperature~~ | ~~Specific Conductance~~ | ~~Total depth of the well from the top of casing or surveyors mark~~ | ~~Depth from the top of the casing to the water~~ | ~~Estimated water volume in the well~~ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |

## ~~After Well Purging~~

| ~~Well ID Number~~ | ~~Date, Start & End Time~~ | ~~Purge Method~~ | ~~purge Rate(s)~~ | ~~Total Volume Purged~~ | ~~pH~~ | ~~Dissolved Oxygen~~ | ~~Temperature~~ | ~~Specific Conductance~~ | ~~Depth from the top of the casing to the water after purging~~ |
|---|---|---|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |

**~~Before and After Sampling~~**

| ~~Well ID Number~~ | ~~Date, Start & End Time for Sampling~~ | ~~Depth from the top of the casing to the water prior to sampling~~ | ~~Sampling Method~~ |
|---|---|---|---|
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

5/11/10 Top 8 CR

730 CR, JD onsite
Weather: 60° sun
Objective: groundwater sampling

| | Well ID | DTW | DTB | Purge |
|---|---|---|---|---|
| 800 | MW-4 | 34.02 | 37.83 | ≈ 2 gal |
| | MW-5 | 31.31 | 33.65 | ≈ 1.2 gal |
| | MW-3 | 30.03 | 33.20 | ≈ 1.6 gal |
| | MW-1 | 22.65 | 30.00 | ≈ 3.75 gal |
| | MW-2 | 18.90 | 23.54 | ≈ 2.4 gal |
| | MW-6 | 16.68 | 23.22 | ≈ 3.4 gal |

900 Set up at MW-3
Total Purge: 1.6
Start Time 900

| | 1st Vol | 2nd Vol | 3rd Vol |
|---|---|---|---|
| ph | 4.88 | 5.13 | 5.35 |
| condu. | 1.08 | 1.05 | 0.96 |
| turb | -5* | -5* | 0.0* |
| do | 5.41 | 1.11 | 2.29 |
| temp | 17.04 | 17.25 | 17.38 |
| orp | 310 | 313 | 288 |

description cloudy brown

5/11/10 Top 8 CR

930 MW. 1

Total Purge

Start time: 930

| | 1st Vol | 2nd Vol | 3rd Vol |
|---|---|---|---|
| ph | 7.15 | 6.28 | 6.14 |
| cond | 1.58 | 1.76 | 1.67 |
| turb | 0.0* | 0.0 | 0.0* |
| do | ~~7.42~~ | 1.37 | 1.63 |
| temp | 15.94 | 16.60 | 16.56 |
| ORP | 235 | 232 | 179 |

cloudy brown

1000 MW. 5

Total Purge

Start time

| | 1st Vol | 2nd Vol | 3rd Vol |
|---|---|---|---|
| ph | 7.55 | 6.78 | 6.83 |
| cond | .406 | 0.439 | 0.464 |
| turb | 0* | 0* | 0* |
| do | 8.33 | 1.91 | 1.52 |
| temp | 18.45 | 19.07 | 19.31 |
| ORP | 82 | -9 | -23 |

5/11/10 Top 8 CR

1100 MW. 2

Total Purge

Start time

| | 1st Vol | 2nd Vol | 3rd Vol |
|---|---|---|---|
| ph | 6.95 | 6.62 | 6.45 |
| cond | 0.816 | 0.802 | 0.801 |
| turb | -5* | -5* | -5 |
| do | 4.86 | 1.84 | 1.35 |
| temp | 16.28 | 16.39 | 16.43 |
| ORP | 260 | 252 | 235 |

~~1200 MW 6~~

1200 MW. 6

Total Purge

Start time

| | 1st Vol | 2nd Vol | 3rd Vol |
|---|---|---|---|
| ph | 6.76 | 6.46 | 6.54 |
| cond | 0.967 | 0.005 | 1.05 |
| turb | -5* | 983 | -5* |
| do | 7.82 | 9.85 | 8.07 |
| temp | 15.42 | 14.98 | 15.45 |
| ORP | 198 | 192 | 179 |

5/11/10

MW-4 - very slow purging, very silty

Sample times:

MW-1 1035
MW-2 1130
MW-3 1050
MW-4 1445
MW5 + MS, MSD, DUP 1230
MW-6 1155
DUP-051110 1300
FB-051110 0920
MW-5MS 1240
MW5MSD 1235

All samples collected for:
TCL VOCs 3-40mL VOAs w/HCl
TCL SVOCs 2-1L amber
Pest/PCBs 2-1L amber
Metals TAL - 500mL w/$HNO_3$
Metals TAL dissolved (lab filtered)
1-500mL unpres.

# APPENDIX I

## Soil Vapor Sampling Logs

# APPENDIX J

## Soil Analytical Data

# Sample Summary

Roux Associates

**Job No:** JA45369

Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| JA45369-1 | 04/28/10 | 09:00 | CR | 04/29/10 | SO | Soil | SB-1/MW-1/0-2 |
| JA45369-2 | 04/28/10 | 10:30 | CR | 04/29/10 | SO | Soil | SB-1/MW-1/24-26 |
| JA45369-3 | 04/28/10 | 10:00 | CR | 04/29/10 | AQ | Field Blank Soil | FB-042810 |
| JA45369-4 | 04/28/10 | 11:30 | CR | 04/29/10 | SO | Soil | SB-4/0-2 |
| JA45369-5 | 04/28/10 | 12:15 | CR | 04/29/10 | SO | Soil | SB-4/8-10 |
| JA45369-6 | 04/28/10 | 13:30 | CR | 04/29/10 | SO | Soil | SB-6/0-2 |
| JA45369-7 | 04/28/10 | 14:00 | CR | 04/29/10 | SO | Soil | SB-6/22-24 |
| JA45369-8 | 04/28/10 | 14:00 | CR | 04/29/10 | AQ | Trip Blank Soil | TRIP BLANK |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/0-2 | | |
| **Lab Sample ID:** | JA45369-1 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 84.6 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | V102443.D | 1 | 05/06/10 | JLI | n/a | n/a | VV4294 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.7 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 2.8 | ug/kg | |
| 71-43-2 | Benzene | 0.88 | 1.3 | 0.43 | ug/kg | J |
| 74-97-5 | Bromochloromethane | ND | 6.3 | 0.28 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.3 | 0.32 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.3 | 0.19 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.3 | 0.51 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.5 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.3 | 0.38 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.3 | 0.70 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.3 | 0.43 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.3 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.3 | 0.40 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.3 | 0.21 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.3 | 0.19 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.68 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.3 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.17 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.3 | 0.34 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.3 | 0.35 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.3 | 0.42 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.3 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.3 | 0.17 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.43 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.3 | 0.83 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.73 | 6.3 | 0.30 | ug/kg | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.3 | 0.56 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.3 | 0.16 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.3 | 0.17 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.3 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 160 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.3 | 0.47 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.3 | 0.71 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/0-2 | | |
| **Lab Sample ID:** | JA45369-1 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 84.6 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.3 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.3 | 0.65 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.3 | 1.0 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.3 | 0.82 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.35 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.3 | 1.0 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.3 | 0.28 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.3 | 0.13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.3 | 0.37 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.3 | 0.18 | ug/kg | |
| 108-88-3 | Toluene | 1.1 | 1.3 | 0.37 | ug/kg | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.3 | 2.0 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.3 | 0.43 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.3 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.3 | 0.23 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.3 | 0.66 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.3 | 0.29 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.3 | 0.22 | ug/kg | |
| | m,p-Xylene | 0.74 | 2.5 | 0.59 | ug/kg | J |
| 95-47-6 | o-Xylene | ND | 1.3 | 0.59 | ug/kg | |
| 1330-20-7 | Xylene (total) | 0.95 | 2.5 | 0.59 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 106% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 91% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 94% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 77% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/0-2 | | |
| **Lab Sample ID:** | JA45369-1 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 84.6 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3M19540.D | 1 | 05/19/10 | KLS | 05/03/10 | OP43379 | E3M836 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.2 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 170 | 34 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 170 | 34 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 170 | 54 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 170 | 56 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 670 | 41 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 670 | 41 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 67 | 38 | ug/kg | |
| | 3&4-Methylphenol | ND | 67 | 43 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 170 | 36 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 340 | 57 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 340 | 57 | ug/kg | |
| 108-95-2 | Phenol | ND | 67 | 35 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 170 | 35 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 170 | 39 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 170 | 32 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 34 | 9.7 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 34 | 11 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 170 | 5.9 | ug/kg | |
| 120-12-7 | Anthracene | ND | 34 | 12 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 170 | 6.6 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 34 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 34 | 10 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 34 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 34 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 34 | 13 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 67 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 67 | 19 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 67 | 3.9 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 170 | 7.7 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 67 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 170 | 11 | ug/kg | |
| 86-74-8 | Carbazole | ND | 67 | 16 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/0-2 | | |
| **Lab Sample ID:** | JA45369-1 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 84.6 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 67 | 11 | ug/kg | |
| 218-01-9 | Chrysene | ND | 34 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 67 | 14 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 67 | 10 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 67 | 10 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 67 | 10 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 67 | 15 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 67 | 13 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 170 | 8.5 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 34 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 67 | 10 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 67 | 7.5 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 67 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 67 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 67 | 12 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 67 | 30 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 34 | 15 | ug/kg | |
| 86-73-7 | Fluorene | ND | 34 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 67 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 34 | 9.3 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 670 | 34 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 170 | 9.3 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 34 | 12 | ug/kg | |
| 78-59-1 | Isophorone | ND | 67 | 9.0 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 67 | 19 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 170 | 15 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 34 | 9.2 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 67 | 9.7 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 67 | 8.2 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 170 | 20 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 34 | 15 | ug/kg | |
| 129-00-0 | Pyrene | ND | 34 | 13 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 170 | 10 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 70% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 70% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/0-2 | | |
| **Lab Sample ID:** | JA45369-1 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 84.6 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 68% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 75% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 76% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 82% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/0-2 | | |
| **Lab Sample ID:** | JA45369-1 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 84.6 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1G53029.D | 1 | 05/07/10 | OPM | 04/30/10 | OP43361 | G1G1965 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.3 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.4 | 0.61 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.4 | 0.42 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.4 | 0.66 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.4 | 0.37 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.4 | 0.42 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.4 | 0.46 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.4 | 0.53 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.4 | 0.46 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.4 | 0.58 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.4 | 0.47 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.4 | 0.57 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.4 | 0.47 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.4 | 0.52 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.4 | 0.64 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.4 | 0.47 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.4 | 0.52 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.4 | 0.61 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.4 | 0.52 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.4 | 0.61 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.4 | 0.48 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 17 | 16 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 59% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 81% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 79% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/0-2 | | |
| **Lab Sample ID:** | JA45369-1 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 84.6 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G45720.D | 1 | 05/04/10 | TDR | 04/30/10 | OP43363 | G3G1685 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.3 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 34 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 34 | 23 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 34 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 34 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 34 | 6.8 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 34 | 8.6 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 34 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 34 | 7.7 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 34 | 6.9 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 60% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 92% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 92% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/0-2 | | |
| **Lab Sample ID:** | JA45369-1 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| | | **Percent Solids:** | 84.6 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 16100 | 25 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.5 | 2.5 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | 3.4 | 2.5 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 131 | 25 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.80 | 0.25 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.62 | 0.62 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 2920 | 620 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 34.5 | 1.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 10.4 | 6.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 24.0 | 3.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 22400 | 36 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 41.6 | 2.5 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 4030 | 620 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 559 | 1.9 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | 0.056 | 0.038 | mg/kg | 1 | 05/14/10 | 05/18/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 32.0 | 5.0 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | 3200 | 1200 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.5 | 2.5 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.62 | 0.62 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1200 | 1200 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.2 | 1.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 40.6 | 6.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 53.9 | 2.5 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24288
(2) Instrument QC Batch: MA24315
(3) Prep QC Batch: MP52686
(4) Prep QC Batch: MP52697

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/24-26 | | |
| **Lab Sample ID:** | JA45369-2 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 91.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | V102444.D | 1 | 05/06/10 | JLI | n/a | n/a | VV4294 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.2 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 2.9 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.3 | 0.44 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.5 | 0.29 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.5 | 0.33 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.5 | 0.20 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.5 | 0.52 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.6 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.5 | 0.40 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.5 | 0.72 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.5 | 0.44 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.5 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.5 | 0.41 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.5 | 0.21 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.5 | 0.20 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.70 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.5 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.18 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.5 | 0.35 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.5 | 0.36 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.5 | 0.44 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.5 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.5 | 0.18 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.45 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.5 | 0.86 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.5 | 0.31 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.5 | 0.58 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.5 | 0.17 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.5 | 0.17 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.5 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 160 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.3 | 0.48 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.5 | 0.73 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/24-26 | | |
| **Lab Sample ID:** | JA45369-2 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 91.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.5 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.5 | 0.67 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.5 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.5 | 0.85 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.37 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.5 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.5 | 0.29 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.5 | 0.14 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.5 | 0.38 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.5 | 0.19 | ug/kg | |
| 108-88-3 | Toluene | ND | 1.3 | 0.38 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.5 | 2.1 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.5 | 0.45 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.5 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.5 | 0.24 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.5 | 0.68 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.5 | 0.30 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.5 | 0.23 | ug/kg | |
| | m,p-Xylene | ND | 2.6 | 0.61 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.3 | 0.61 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.6 | 0.61 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 102% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 90% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 95% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 78% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/24-26 | | |
| **Lab Sample ID:** | JA45369-2 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 91.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3M19541.D | 1 | 05/19/10 | KLS | 05/03/10 | OP43379 | E3M836 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.2 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 150 | 31 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 150 | 31 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 150 | 50 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 150 | 52 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 620 | 38 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 620 | 38 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 62 | 35 | ug/kg | |
| | 3&4-Methylphenol | ND | 62 | 39 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 150 | 33 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 310 | 52 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 310 | 53 | ug/kg | |
| 108-95-2 | Phenol | ND | 62 | 33 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 150 | 32 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 150 | 36 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 150 | 29 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 31 | 9.0 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 31 | 9.9 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 150 | 5.5 | ug/kg | |
| 120-12-7 | Anthracene | ND | 31 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 150 | 6.1 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 13.2 | 31 | 10 | ug/kg | J |
| 50-32-8 | Benzo(a)pyrene | ND | 31 | 9.4 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 31 | 10 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 31 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 31 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 62 | 11 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 62 | 18 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 62 | 3.6 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 150 | 7.1 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 62 | 9.6 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 150 | 9.9 | ug/kg | |
| 86-74-8 | Carbazole | ND | 62 | 14 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/24-26 | | |
| **Lab Sample ID:** | JA45369-2 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 91.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 62 | 9.8 | ug/kg | |
| 218-01-9 | Chrysene | 14.2 | 31 | 10 | ug/kg | J |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 62 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 62 | 9.3 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 62 | 9.2 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 62 | 9.3 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 62 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 62 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 150 | 7.9 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 31 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 62 | 9.2 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 62 | 6.9 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 62 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 62 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 62 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 111 | 62 | 27 | ug/kg | |
| 206-44-0 | Fluoranthene | 18.7 | 31 | 14 | ug/kg | J |
| 86-73-7 | Fluorene | ND | 31 | 10 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 62 | 10 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 31 | 8.6 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 620 | 32 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 150 | 8.6 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 31 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 62 | 8.3 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 62 | 17 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 150 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 31 | 8.5 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 62 | 9.0 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 62 | 7.6 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 150 | 18 | ug/kg | |
| 85-01-8 | Phenanthrene | 25.2 | 31 | 14 | ug/kg | J |
| 129-00-0 | Pyrene | 25.3 | 31 | 12 | ug/kg | J |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 150 | 9.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 73% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 71% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/24-26 | | |
| **Lab Sample ID:** | JA45369-2 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 91.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 65% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 69% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 70% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 75% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/24-26 | | |
| **Lab Sample ID:** | JA45369-2 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 91.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1G53030.D | 1 | 05/07/10 | OPM | 04/30/10 | OP43361 | G1G1965 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.0 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.57 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.3 | 0.40 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.62 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.35 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.40 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.3 | 0.43 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.3 | 0.50 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.3 | 0.43 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.3 | 0.55 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.3 | 0.44 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.3 | 0.54 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.44 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.49 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.60 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.44 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.49 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.58 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.49 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.57 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.45 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 79% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 81% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 93% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 94% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/24-26 | | |
| **Lab Sample ID:** | JA45369-2 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 91.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G45732.D | 1 | 05/04/10 | TDR | 04/30/10 | OP43363 | G3G1685 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.0 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 32 | 11 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 32 | 21 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 32 | 10 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 32 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 32 | 6.4 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 32 | 8.1 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 32 | 12 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 32 | 7.2 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 32 | 6.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 92% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 89% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 112% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 101% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-1/MW-1/24-26 | | |
| **Lab Sample ID:** | JA45369-2 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| | | **Percent Solids:** | 91.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 8200 | 22 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.2 | 2.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | < 2.2 | 2.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 68.4 | 22 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.43 | 0.22 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.55 | 0.55 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 820 | 550 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 31.2 | 1.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 7.6 | 5.5 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 14.6 | 2.7 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 15300 | 33 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 3.1 | 2.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 2850 | 550 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 356 | 1.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | < 0.033 | 0.033 | mg/kg | 1 | 05/14/10 | 05/18/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 41.7 | 4.4 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | 2240 | 1100 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.2 | 2.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.55 | 0.55 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1100 | 1100 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.1 | 1.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 24.1 | 5.5 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 26.7 | 2.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24288
(2) Instrument QC Batch: MA24315
(3) Prep QC Batch: MP52686
(4) Prep QC Batch: MP52697

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-042810 | | |
| **Lab Sample ID:** | JA45369-3 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Field Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3C63005.D | 1 | 05/11/10 | NT | n/a | n/a | V3C2776 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-042810 | | |
| **Lab Sample ID:** | JA45369-3 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Field Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 112% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 98% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-042810 | | |
| **Lab Sample ID:** | JA45369-3 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Field Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2M28868.D | 1 | 05/06/10 | OYA | 04/30/10 | OP43364 | E2M1224 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 1000 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | 1.1 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.0 | 1.1 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | 1.2 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | 1.7 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 20 | 0.74 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 20 | 0.51 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.0 | 1.1 | ug/l | |
| | 3&4-Methylphenol | ND | 2.0 | 1.0 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | 1.2 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 10 | 0.83 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 10 | 0.80 | ug/l | |
| 108-95-2 | Phenol | ND | 2.0 | 0.58 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.0 | 0.81 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | 1.3 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | 1.2 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.0 | 0.37 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.0 | 0.27 | ug/l | |
| 98-86-2 | Acetophenone | ND | 2.0 | 0.40 | ug/l | |
| 120-12-7 | Anthracene | ND | 1.0 | 0.16 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.0 | 0.39 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.0 | 0.40 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.0 | 0.12 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.0 | 0.095 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.0 | 0.25 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.0 | 0.12 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.0 | 0.38 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.0 | 0.35 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.0 | 0.25 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.0 | 0.42 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.0 | 0.42 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.0 | 0.25 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.0 | 0.17 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-042810 | | |
| **Lab Sample ID:** | JA45369-3 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Field Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.0 | 0.20 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.0 | 0.11 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.0 | 0.25 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.0 | 0.31 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.0 | 0.39 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.0 | 0.35 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.0 | 0.22 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.0 | 0.33 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.0 | 0.30 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.0 | 0.15 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.0 | 0.30 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.0 | 0.19 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.0 | 0.40 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.0 | 0.17 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.0 | 0.23 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 2.0 | 0.33 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 1.0 | 0.17 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.0 | 0.27 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | 0.27 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.0 | 0.13 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 20 | 0.24 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.0 | 0.21 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.0 | 0.13 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.0 | 0.25 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.0 | 0.66 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.0 | 0.24 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.0 | 0.29 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.0 | 0.18 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.0 | 0.43 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.0 | 0.25 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.0 | 0.44 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | 0.22 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 1.0 | 0.21 | ug/l | |
| 129-00-0 | Pyrene | ND | 1.0 | 0.16 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.0 | 0.48 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 27% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 11% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-042810 | | |
| **Lab Sample ID:** | JA45369-3 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Field Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 82% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 88% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 82% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 88% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-042810 | | |
| **Lab Sample ID:** | JA45369-3 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Field Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1G52916.D | 1 | 05/03/10 | OPM | 04/30/10 | OP43356 | G1G1958 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 1000 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.020 | 0.0030 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.020 | 0.0022 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.020 | 0.0030 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.020 | 0.0017 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.020 | 0.0024 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.020 | 0.0022 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.020 | 0.0052 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.020 | 0.0029 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.020 | 0.0033 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.020 | 0.0030 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.020 | 0.0029 | ug/l | |
| 72-20-8 | Endrin | ND | 0.020 | 0.0037 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.020 | 0.0066 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.020 | 0.0072 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.020 | 0.0061 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.020 | 0.0036 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.020 | 0.0043 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.020 | 0.0066 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.020 | 0.0026 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.020 | 0.0061 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.25 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 79% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 83% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 57% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 63% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-042810 | | |
| **Lab Sample ID:** | JA45369-3 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Field Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G45664.D | 1 | 04/30/10 | TDR | 04/30/10 | OP43357 | G3G1683 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 1000 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.50 | 0.30 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.50 | 0.41 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.50 | 0.31 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.50 | 0.27 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.50 | 0.28 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.50 | 0.18 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.50 | 0.14 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.50 | 0.12 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.50 | 0.10 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 93% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 93% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 65% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 61% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-042810 | | |
| **Lab Sample ID:** | JA45369-3 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Field Blank Soil | **Date Received:** | 04/29/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Arsenic | < 6.0 | 6.0 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Barium | < 200 | 200 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Calcium | < 5000 | 5000 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/13/10 | 05/20/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Copper | < 10 | 10 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Iron | < 100 | 100 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Magnesium | < 5000 | 5000 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Manganese | < 15 | 15 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/13/10 | 05/14/10 | JW | SW846 7470A [1] | SW846 7470A [5] |
| Nickel | < 10 | 10 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Potassium | < 10000 | 10000 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Silver | < 10 | 10 | ug/l | 1 | 05/13/10 | 05/20/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Sodium | < 10000 | 10000 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |
| Zinc | < 20 | 20 | ug/l | 1 | 05/13/10 | 05/14/10 | GT | SW846 6010B [2] | SW846 3010A [4] |

(1) Instrument QC Batch: MA24285
(2) Instrument QC Batch: MA24287
(3) Instrument QC Batch: MA24312
(4) Prep QC Batch: MP52673
(5) Prep QC Batch: MP52695

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/0-2 | | |
| **Lab Sample ID:** | JA45369-4 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 79.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | V102445.D | 1 | 05/06/10 | JLI | n/a | n/a | VV4294 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.7 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 3.0 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.3 | 0.46 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.7 | 0.29 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.7 | 0.34 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.7 | 0.20 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.7 | 0.54 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.6 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.7 | 0.41 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.7 | 0.74 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.7 | 0.45 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.7 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.7 | 0.43 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.7 | 0.22 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.7 | 0.20 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.72 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.7 | 0.15 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.18 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.7 | 0.36 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.7 | 0.37 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.7 | 0.45 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.7 | 1.3 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.7 | 0.18 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.46 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.7 | 0.89 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.7 | 0.32 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.7 | 0.60 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.7 | 0.17 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.7 | 0.18 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.7 | 0.13 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 170 | 120 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.3 | 0.50 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.7 | 0.75 | ug/kg | |

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/0-2 | | |
| **Lab Sample ID:** | JA45369-4 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 79.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.7 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.7 | 0.69 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.7 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.7 | 0.88 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.38 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.7 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.7 | 0.30 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.7 | 0.14 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.7 | 0.39 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.7 | 0.19 | ug/kg | |
| 108-88-3 | Toluene | 0.83 | 1.3 | 0.39 | ug/kg | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.7 | 2.1 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.7 | 0.46 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.7 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.7 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.7 | 0.70 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.7 | 0.31 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.7 | 0.24 | ug/kg | |
| | m,p-Xylene | ND | 2.7 | 0.63 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.3 | 0.63 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.7 | 0.63 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 104% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 91% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 93% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 77% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/0-2 | | |
| **Lab Sample ID:** | JA45369-4 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 79.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3M19543.D | 1 | 05/19/10 | KLS | 05/03/10 | OP43379 | E3M836 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.4 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 180 | 36 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 180 | 36 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 180 | 57 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 180 | 60 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 710 | 43 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 710 | 43 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 71 | 41 | ug/kg | |
| | 3&4-Methylphenol | ND | 71 | 45 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 180 | 38 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 360 | 60 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 360 | 61 | ug/kg | |
| 108-95-2 | Phenol | ND | 71 | 37 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 180 | 37 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 180 | 41 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 180 | 33 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 36 | 10 | ug/kg | |
| 208-96-8 | Acenaphthylene | 36.4 | 36 | 11 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 180 | 6.3 | ug/kg | |
| 120-12-7 | Anthracene | 34.6 | 36 | 12 | ug/kg | J |
| 1912-24-9 | Atrazine | ND | 180 | 7.0 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 160 | 36 | 12 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 202 | 36 | 11 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 172 | 36 | 12 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | 148 | 36 | 13 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | 149 | 36 | 13 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 71 | 13 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 71 | 21 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 71 | 4.1 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 180 | 8.2 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 71 | 11 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 180 | 11 | ug/kg | |
| 86-74-8 | Carbazole | ND | 71 | 16 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/0-2 | | |
| **Lab Sample ID:** | JA45369-4 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 79.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 71 | 11 | ug/kg | |
| 218-01-9 | Chrysene | 180 | 36 | 12 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 71 | 14 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 71 | 11 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 71 | 11 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 71 | 11 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 71 | 16 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 71 | 14 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 180 | 9.0 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 50.0 | 36 | 12 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 71 | 11 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | 51.9 | 71 | 7.9 | ug/kg | J |
| 117-84-0 | Di-n-octyl phthalate | ND | 71 | 17 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 71 | 12 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 71 | 13 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 40.7 | 71 | 31 | ug/kg | J |
| 206-44-0 | Fluoranthene | 123 | 36 | 16 | ug/kg | |
| 86-73-7 | Fluorene | ND | 36 | 12 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 71 | 12 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 36 | 9.9 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 710 | 36 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 180 | 9.9 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 130 | 36 | 12 | ug/kg | |
| 78-59-1 | Isophorone | ND | 71 | 9.6 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 71 | 20 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 180 | 16 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 180 | 14 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 180 | 14 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 36 | 9.7 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 71 | 10 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 71 | 8.7 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 180 | 21 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 36 | 16 | ug/kg | |
| 129-00-0 | Pyrene | 124 | 36 | 14 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 180 | 11 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 80% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 82% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/0-2 | | |
| **Lab Sample ID:** | JA45369-4 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 79.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 82% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 75% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 84% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 87% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/0-2 | | |
| **Lab Sample ID:** | JA45369-4 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 79.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1G53171.D | 1 | 05/13/10 | OPM | 04/30/10 | OP43361 | G1G1971 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.5 | 0.65 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.5 | 0.45 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.5 | 0.71 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.5 | 0.40 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.5 | 0.45 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.5 | 0.49 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.5 | 0.57 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.5 | 0.49 | ug/kg | |
| 72-54-8 | 4,4'-DDD | 8.6 | 1.5 | 0.63 | ug/kg | |
| 72-55-9 | 4,4'-DDE | 5.4 | 1.5 | 0.51 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.5 | 0.61 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.5 | 0.51 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.5 | 0.56 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.5 | 0.69 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.5 | 0.50 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.5 | 0.56 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.5 | 0.66 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.5 | 0.56 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.5 | 0.65 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.5 | 0.52 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 18 | 17 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 66% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 60% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 55% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 46% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/0-2 | | |
| **Lab Sample ID:** | JA45369-4 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 79.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G45721.D | 1 | 05/04/10 | TDR | 04/30/10 | OP43363 | G3G1685 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 37 | 13 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 37 | 24 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 37 | 12 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 37 | 13 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 37 | 7.3 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 37 | 9.2 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | 76.3 | 37 | 14 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 37 | 8.3 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 37 | 7.4 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 90% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 92% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 99% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 104% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/0-2 | | |
| **Lab Sample ID:** | JA45369-4 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| | | **Percent Solids:** | 79.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 7120 | 26 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.6 | 2.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | 3.9 | 2.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 195 | 26 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.52 | 0.26 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | 3.4 | 0.66 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 16600 | 660 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 19.2 | 1.3 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | < 6.6 | 6.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 83.0 | 3.3 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 14900 | 39 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 1500 | 2.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 3560 | 660 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 378 | 2.0 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | 0.066 | 0.040 | mg/kg | 1 | 05/14/10 | 05/18/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 22.1 | 5.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | < 1300 | 1300 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.6 | 2.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.66 | 0.66 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1300 | 1300 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.3 | 1.3 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 45.6 | 6.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 268 | 2.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24288
(2) Instrument QC Batch: MA24315
(3) Prep QC Batch: MP52686
(4) Prep QC Batch: MP52697

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/8-10 | | |
| **Lab Sample ID:** | JA45369-5 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 95.4 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | V102446.D | 1 | 05/06/10 | JLI | n/a | n/a | VV4294 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 5.0 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.3 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.0 | 0.36 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 5.2 | 0.23 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 5.2 | 0.27 | ug/kg | |
| 75-25-2 | Bromoform | ND | 5.2 | 0.16 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 5.2 | 0.42 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 2.1 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 5.2 | 0.32 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 5.2 | 0.58 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 5.2 | 0.36 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 5.2 | 1.0 | ug/kg | |
| 67-66-3 | Chloroform | ND | 5.2 | 0.33 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 5.2 | 0.17 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 5.2 | 0.16 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 0.57 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 5.2 | 0.12 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.0 | 0.14 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.2 | 0.28 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.2 | 0.29 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.2 | 0.35 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.2 | 0.99 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.2 | 0.14 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.36 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.2 | 0.69 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.2 | 0.25 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.2 | 0.47 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.2 | 0.14 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.2 | 0.14 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.2 | 0.10 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 91 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.39 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 5.2 | 0.59 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/8-10 | | |
| **Lab Sample ID:** | JA45369-5 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 95.4 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.2 | 1.0 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 5.2 | 0.54 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 5.2 | 0.86 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 5.2 | 0.69 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.30 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.2 | 0.85 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 5.2 | 0.23 | ug/kg | |
| 100-42-5 | Styrene | ND | 5.2 | 0.11 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.2 | 0.31 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 5.2 | 0.15 | ug/kg | |
| 108-88-3 | Toluene | ND | 1.0 | 0.31 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.2 | 1.7 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.2 | 0.36 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.2 | 0.13 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.2 | 0.19 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 5.2 | 0.55 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.2 | 0.24 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 5.2 | 0.19 | ug/kg | |
| | m,p-Xylene | ND | 2.1 | 0.49 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.49 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.1 | 0.49 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 110% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 96% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 94% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 76% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/8-10 | | |
| **Lab Sample ID:** | JA45369-5 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 95.4 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3M19542.D | 1 | 05/19/10 | KLS | 05/03/10 | OP43379 | E3M836 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.0 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 150 | 30 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 150 | 30 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 150 | 48 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 150 | 50 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 600 | 37 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 600 | 37 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 60 | 34 | ug/kg | |
| | 3&4-Methylphenol | ND | 60 | 38 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 150 | 32 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 300 | 51 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 300 | 51 | ug/kg | |
| 108-95-2 | Phenol | ND | 60 | 31 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 150 | 31 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 150 | 35 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 150 | 28 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 30 | 8.7 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 30 | 9.6 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 150 | 5.3 | ug/kg | |
| 120-12-7 | Anthracene | ND | 30 | 10 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 150 | 5.9 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 30 | 9.8 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 30 | 9.1 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 30 | 10 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 30 | 11 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 30 | 11 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 60 | 11 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 60 | 17 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 60 | 3.5 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 150 | 6.9 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 60 | 9.3 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 150 | 9.6 | ug/kg | |
| 86-74-8 | Carbazole | ND | 60 | 14 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/8-10 | | |
| **Lab Sample ID:** | JA45369-5 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 95.4 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 60 | 9.4 | ug/kg | |
| 218-01-9 | Chrysene | ND | 30 | 10 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 60 | 12 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 60 | 9.0 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 60 | 8.9 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 60 | 9.0 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 60 | 13 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 60 | 11 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 150 | 7.6 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 30 | 10 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 60 | 8.9 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 60 | 6.6 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 60 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 60 | 10 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | 32.4 | 60 | 11 | ug/kg | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 35.8 | 60 | 26 | ug/kg | J |
| 206-44-0 | Fluoranthene | ND | 30 | 13 | ug/kg | |
| 86-73-7 | Fluorene | ND | 30 | 9.8 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 60 | 9.8 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 30 | 8.3 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 600 | 31 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 150 | 8.3 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 30 | 10 | ug/kg | |
| 78-59-1 | Isophorone | ND | 60 | 8.1 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 60 | 17 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 150 | 13 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 30 | 8.2 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 60 | 8.7 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 60 | 7.3 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 150 | 18 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 30 | 14 | ug/kg | |
| 129-00-0 | Pyrene | ND | 30 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 150 | 9.2 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 76% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 74% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/8-10 | | |
| **Lab Sample ID:** | JA45369-5 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 95.4 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 66% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 76% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 78% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 83% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/8-10 | | |
| **Lab Sample ID:** | JA45369-5 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 95.4 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1G53116.D | 1 | 05/11/10 | OPM | 05/11/10 | OP43515 | G1G1969 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.0 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.2 | 0.55 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.2 | 0.38 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.2 | 0.60 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.2 | 0.34 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.2 | 0.38 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.2 | 0.41 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.2 | 0.48 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.2 | 0.41 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.2 | 0.53 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.2 | 0.43 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.2 | 0.52 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.2 | 0.43 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.2 | 0.47 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.2 | 0.58 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.2 | 0.42 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.2 | 0.47 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.2 | 0.55 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.2 | 0.47 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.2 | 0.55 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.2 | 0.44 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 15 | 14 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 76% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 77% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 84% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 89% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/8-10 | | |
| **Lab Sample ID:** | JA45369-5 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 95.4 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G45733.D | 1 | 05/04/10 | TDR | 04/30/10 | OP43363 | G3G1685 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 30 | 11 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 30 | 20 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 30 | 9.8 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 30 | 11 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 30 | 6.0 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 30 | 7.7 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 30 | 12 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 30 | 6.9 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 30 | 6.1 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 100% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 95% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 114% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 102% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-4/8-10 | | |
| **Lab Sample ID:** | JA45369-5 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| | | **Percent Solids:** | 95.4 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 5110 | 21 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.1 | 2.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | < 2.1 | 2.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 36.4 | 21 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.29 | 0.21 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.51 | 0.51 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 609 | 510 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 15.0 | 1.0 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | < 5.1 | 5.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 12.3 | 2.6 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 13000 | 30 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 3.4 | 2.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 1390 | 510 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 374 | 1.5 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | < 0.032 | 0.032 | mg/kg | 1 | 05/14/10 | 05/18/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 11.0 | 4.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | 1160 | 1000 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.1 | 2.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.51 | 0.51 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1000 | 1000 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.0 | 1.0 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 19.1 | 5.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 18.4 | 2.1 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24288
(2) Instrument QC Batch: MA24315
(3) Prep QC Batch: MP52686
(4) Prep QC Batch: MP52697

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | V102447.D | 1 | 05/06/10 | JLI | n/a | n/a | VV4294 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 2.8 | ug/kg | |
| 71-43-2 | Benzene | 2.4 | 1.3 | 0.43 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.4 | 0.28 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.4 | 0.33 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.4 | 0.19 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.4 | 0.51 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.5 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.4 | 0.39 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.4 | 0.71 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.4 | 0.43 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.4 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.4 | 0.41 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.4 | 0.21 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.4 | 0.19 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.69 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.4 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.17 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.4 | 0.34 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.4 | 0.35 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.4 | 0.43 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.4 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.4 | 0.18 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.44 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.4 | 0.84 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.7 | 6.4 | 0.30 | ug/kg | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.4 | 0.57 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.4 | 0.17 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.4 | 0.17 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.4 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 160 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.3 | 0.47 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.4 | 0.72 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.4 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.4 | 0.66 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.4 | 1.0 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.4 | 0.83 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.36 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.4 | 1.0 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.4 | 0.28 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.4 | 0.14 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.4 | 0.37 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.50 | 6.4 | 0.18 | ug/kg | J |
| 108-88-3 | Toluene | 1.6 | 1.3 | 0.37 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.4 | 2.0 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.4 | 0.44 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.4 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.4 | 0.24 | ug/kg | |
| 79-01-6 | Trichloroethene | 4.3 | 6.4 | 0.67 | ug/kg | J |
| 75-69-4 | Trichlorofluoromethane | ND | 6.4 | 0.29 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.4 | 0.23 | ug/kg | |
| | m,p-Xylene | ND | 2.5 | 0.60 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.3 | 0.60 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.5 | 0.60 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 112% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 99% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 95% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 78% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3M19544.D | 1 | 05/19/10 | KLS | 05/03/10 | OP43379 | E3M836 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.2 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 160 | 33 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 160 | 33 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 160 | 52 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 160 | 55 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 650 | 40 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 650 | 40 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 65 | 37 | ug/kg | |
| | 3&4-Methylphenol | ND | 65 | 41 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 160 | 35 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 330 | 55 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 330 | 56 | ug/kg | |
| 108-95-2 | Phenol | ND | 65 | 34 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 160 | 34 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 160 | 38 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 160 | 31 | ug/kg | |
| 83-32-9 | Acenaphthene | 17.5 | 33 | 9.4 | ug/kg | J |
| 208-96-8 | Acenaphthylene | 72.6 | 33 | 10 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 160 | 5.7 | ug/kg | |
| 120-12-7 | Anthracene | 106 | 33 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 160 | 6.4 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 127 | 33 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 341 | 33 | 9.9 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 195 | 33 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | 780 | 33 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | 116 | 33 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 65 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 65 | 19 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 65 | 3.8 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 160 | 7.5 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 65 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 160 | 10 | ug/kg | |
| 86-74-8 | Carbazole | 26.7 | 65 | 15 | ug/kg | J |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 65 | 10 | ug/kg | |
| 218-01-9 | Chrysene | 162 | 33 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 65 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 65 | 9.8 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 65 | 9.7 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 65 | 9.8 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 65 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 65 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 160 | 8.3 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 147 | 33 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | 14.2 | 65 | 9.7 | ug/kg | J |
| 84-74-2 | Di-n-butyl phthalate | ND | 65 | 7.2 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 65 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 65 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 65 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 65 | 29 | ug/kg | |
| 206-44-0 | Fluoranthene | 203 | 33 | 14 | ug/kg | |
| 86-73-7 | Fluorene | 26.3 | 33 | 11 | ug/kg | J |
| 118-74-1 | Hexachlorobenzene | ND | 65 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 33 | 9.1 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 650 | 33 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 160 | 9.1 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 245 | 33 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 65 | 8.8 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 65 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 160 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 33 | 8.9 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 65 | 9.4 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 65 | 7.9 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 160 | 19 | ug/kg | |
| 85-01-8 | Phenanthrene | 119 | 33 | 15 | ug/kg | |
| 129-00-0 | Pyrene | 209 | 33 | 13 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 160 | 10 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 49% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 48% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 43% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 47% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 46% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 41% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1G53198.D | 1 | 05/14/10 | OPM | 04/30/10 | OP43361 | G1G1972 |
| Run #2 | OA62853.D | 50 | 05/21/10 | TDR | 04/30/10 | OP43361 | GOA2243 |
| Run #3 | OA62860.D | 100 | 05/21/10 | TDR | 04/30/10 | OP43361 | GOA2243 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.4 g | 10.0 ml |
| Run #2 | 17.4 g | 10.0 ml |
| Run #3 | 17.4 g | 10.0 ml |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.59 | ug/kg | |
| 319-84-6 | alpha-BHC | 47.7 | 1.3 | 0.41 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.64 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.36 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.41 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | 13.0 | 1.3 | 0.44 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | 16.2 | 1.3 | 0.52 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.3 | 0.44 | ug/kg | |
| 72-54-8 | 4,4'-DDD | 544 [a] | 66 | 28 | ug/kg | |
| 72-55-9 | 4,4'-DDE | 292 [a] | 66 | 23 | ug/kg | |
| 50-29-3 | 4,4'-DDT | 4470 [b] | 130 | 55 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.46 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.50 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.62 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.45 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.50 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.59 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.51 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.59 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.47 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Run# 3 | Limits |
|---|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 73% | 0% [c] | 0% [c] | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 74% | 0% [c] | 0% [c] | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 71% | 0% [c] | 0% [c] | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 60% | 0% [c] | 0% [c] | 22-156% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|

(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G45710.D | 1 | 05/04/10 | TDR | 04/30/10 | OP43363 | G3G1685 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.4 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 33 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 33 | 22 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 33 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 33 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 33 | 6.5 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 33 | 8.3 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 33 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 33 | 7.4 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 33 | 6.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 99% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 105% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 116% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 192% [a] | | 32-154% |

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/0-2 | | |
| **Lab Sample ID:** | JA45369-6 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| | | **Percent Solids:** | 87.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 8830 | 23 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.3 | 2.3 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | 6.3 | 2.3 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 575 | 23 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.50 | 0.23 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | 3.1 | 0.59 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 49900 | 590 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 18.8 | 1.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | < 5.9 | 5.9 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 77.8 | 2.9 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 11500 | 36 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 1230 | 2.3 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 3230 | 590 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 395 | 1.8 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | 0.33 | 0.036 | mg/kg | 1 | 05/14/10 | 05/18/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 18.2 | 4.7 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | 1220 | 1200 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.3 | 2.3 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.59 | 0.59 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1200 | 1200 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.2 | 1.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 30.6 | 5.9 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 612 | 2.3 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24288
(2) Instrument QC Batch: MA24315
(3) Prep QC Batch: MP52686
(4) Prep QC Batch: MP52697

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/22-24 | | |
| **Lab Sample ID:** | JA45369-7 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 88.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | V102448.D | 1 | 05/06/10 | JLI | n/a | n/a | VV4294 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.6 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 12 | 2.8 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.2 | 0.42 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.2 | 0.27 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.2 | 0.32 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.2 | 0.19 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.2 | 0.50 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | 2.4 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.2 | 0.38 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.2 | 0.68 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.2 | 0.42 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.2 | 1.2 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.2 | 0.39 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.2 | 0.20 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.2 | 0.19 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 12 | 0.67 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.2 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.2 | 0.17 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.2 | 0.33 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.2 | 0.34 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.2 | 0.42 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.2 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.2 | 0.17 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.2 | 0.43 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.2 | 0.82 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.2 | 0.29 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.2 | 0.55 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.2 | 0.16 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.2 | 0.16 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.2 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.2 | 0.46 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.2 | 0.69 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/22-24 | | |
| **Lab Sample ID:** | JA45369-7 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 88.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.2 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.2 | 0.64 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.2 | 1.0 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.2 | 0.81 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.2 | 0.35 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.2 | 1.0 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.2 | 0.28 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.2 | 0.13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.2 | 0.36 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.2 | 0.18 | ug/kg | |
| 108-88-3 | Toluene | ND | 1.2 | 0.36 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.2 | 2.0 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.2 | 0.43 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.2 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.2 | 0.23 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.2 | 0.65 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.2 | 0.28 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.2 | 0.22 | ug/kg | |
| | m,p-Xylene | ND | 2.5 | 0.58 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.2 | 0.58 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.5 | 0.58 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 115% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 101% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 95% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 76% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/22-24 | | |
| **Lab Sample ID:** | JA45369-7 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 88.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3M19122.D | 1 | 05/05/10 | KLS | 05/03/10 | OP43379 | E3M821 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.1 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 160 | 33 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 160 | 32 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 160 | 52 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 160 | 54 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 650 | 39 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 650 | 39 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 65 | 37 | ug/kg | |
| | 3&4-Methylphenol | ND | 65 | 41 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 160 | 34 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 320 | 55 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 320 | 55 | ug/kg | |
| 108-95-2 | Phenol | ND | 65 | 34 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 160 | 33 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 160 | 38 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 160 | 30 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 32 | 9.4 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 32 | 10 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 160 | 5.7 | ug/kg | |
| 120-12-7 | Anthracene | ND | 32 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 160 | 6.4 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 32 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 32 | 9.9 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 32 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 32 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 32 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 65 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 65 | 19 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 65 | 3.8 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 160 | 7.4 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 65 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 160 | 10 | ug/kg | |
| 86-74-8 | Carbazole | ND | 65 | 15 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/22-24 | | |
| **Lab Sample ID:** | JA45369-7 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 88.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 65 | 10 | ug/kg | |
| 218-01-9 | Chrysene | ND | 32 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 65 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 65 | 9.7 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 65 | 9.6 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 65 | 9.7 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 65 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 65 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 160 | 8.2 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 32 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 65 | 9.6 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 65 | 7.2 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 65 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 65 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 65 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 65 | 29 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 32 | 14 | ug/kg | |
| 86-73-7 | Fluorene | ND | 32 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 65 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 32 | 9.0 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 650 | 33 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 160 | 9.0 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 32 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 65 | 8.7 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 65 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 160 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 32 | 8.8 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 65 | 9.3 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 65 | 7.9 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 160 | 19 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 32 | 15 | ug/kg | |
| 129-00-0 | Pyrene | ND | 32 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 160 | 9.9 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 76% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 76% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/22-24 | | |
| **Lab Sample ID:** | JA45369-7 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 88.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 69% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 75% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 78% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 83% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/22-24 | | |
| **Lab Sample ID:** | JA45369-7 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 88.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1G53032.D | 1 | 05/07/10 | OPM | 04/30/10 | OP43361 | G1G1965 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.59 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.3 | 0.41 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.64 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.36 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.41 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.3 | 0.44 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.3 | 0.52 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.3 | 0.44 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.3 | 0.56 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.3 | 0.46 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.3 | 0.55 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.46 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.50 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.62 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.45 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.50 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.59 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.51 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.59 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.47 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 92% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 99% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 101% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 109% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/22-24 | | |
| **Lab Sample ID:** | JA45369-7 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 88.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G45734.D | 1 | 05/04/10 | TDR | 04/30/10 | OP43363 | G3G1685 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 33 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 33 | 22 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 33 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 33 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 33 | 6.5 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 33 | 8.3 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 33 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 33 | 7.5 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 33 | 6.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 102% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 99% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 122% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 109% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-6/22-24 | | |
| **Lab Sample ID:** | JA45369-7 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 04/29/10 |
| | | **Percent Solids:** | 88.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 7340 | 24 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.4 | 2.4 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | < 2.4 | 2.4 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 68.0 | 24 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.43 | 0.24 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.60 | 0.60 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | < 600 | 600 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 31.1 | 1.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 6.2 | 6.0 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 10.8 | 3.0 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 12400 | 36 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 3.0 | 2.4 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 2980 | 600 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 321 | 1.8 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | < 0.034 | 0.034 | mg/kg | 1 | 05/14/10 | 05/18/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 32.1 | 4.8 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | 2520 | 1200 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.4 | 2.4 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.60 | 0.60 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1200 | 1200 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.2 | 1.2 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 20.8 | 6.0 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 26.1 | 2.4 | mg/kg | 1 | 05/14/10 | 05/20/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24288
(2) Instrument QC Batch: MA24315
(3) Prep QC Batch: MP52686
(4) Prep QC Batch: MP52697

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | JA45369-8 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Trip Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3C63006.D | 1 | 05/11/10 | NT | n/a | n/a | V3C2776 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | JA45369-8 | **Date Sampled:** | 04/28/10 |
| **Matrix:** | AQ - Trip Blank Soil | **Date Received:** | 04/29/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 114% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 98% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

SO FB STB N

# CHAIN OF CUSTODY

PAGE ___ OF ___

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: 
Bottle Order Control #: 
Accutest Quote #: 
Accutest Job #: JA45369

**Client / Reporting Information**

Company Name: Roux Associates Inc
Street Address: 209 Shafter St.
City / State / Zip: Islandia NY 11749
Project Contact / E-mail: Jessica Diminich
Phone #: 631 232 2600 Fax #: jdiminich@rouxinc.com
Sampler(s) Name(s) / Phone #: Carolyn Roth 6318318539
Project Manager: Jessica Diminich

**Project Information**

Project Name: Top 8 Prince St.
Street: 133-42 39th Ave
City / State: Flushing NY
Project #: 
Client Purchase Order #: 
Attention: 

**Billing Information (If different from Report to)**

Company Name: 
Street Address: 
City / State / Zip: 

**Requested Analysis (see TEST CODE sheet)**

**Matrix Codes**: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

| Accutest Sample # | Field ID / Point of Collection | ~~MEOH/DI Vial#~~ | Date | Time | Sampled by | Matrix | # of bottles | HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | TCL VOCs (8260) | TCL SVOCs (8270) | TAL Metals 6010 (MTAL) | PCB's / Pesticides (PPCB) | 8081 8082 | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SB-1/MW-1/0-2 | -1 | 4/28/10 | 0900 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | EX16 |
| | SB-1/MW-1/24-26 | -2 | 4/28/10 | 1030 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | AMET26 |
| | FB-042810 | -3 | 4/28/10 | 1000 | CR | FB | 7 | 2 | | 1 | | 4 | | | | X | X | X | X | | 2283 |
| | SB-4/0-2 | -4 | 4/28/10 | 1130 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | EX44 |
| | SB-4/8-10 | -5 | 4/28/10 | 1215 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | 19E2 |
| | SB-6/0-2 | -6 | 4/28/10 | 1330 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | 9070 |
| | SB-6/22-24 | -7 | 4/28/10 | 1400 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | |
| | TRIP BLANK | -8 | 4/28/10 | 1800 | | | 1 | | | | | | | | | X | | | | | |

**Turnaround Time (Business days)**

- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

**Data Deliverable Information**

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

**Comments / Special Instructions**

Sample Custody must be documented below each time samples change possession, including courier delivery.

| Relinquished By Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|
| 1 [signature] | 4/28/10 1700 | 1 Ed X | 2 Ed X | 4/29/10 0915 | 2 [signature] |
| Relinquished by Sampler: 3 | Date Time: | Received By: 3 | Relinquished By: 4 | Date Time: | Received By: 4 |
| Relinquished by: 5 | Date Time: | Received By: 5 | Custody Seal # N/A | [ ] Intact [ ] Not intact | Preserved where applicable [ ] On Ice [x] Cooler Temp. 3.5°C |

B

JA45369: Chain of Custody
Page 1 of 2

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** JA45369 **Client:** **Immediate Client Services Action Required:** No

**Date / Time Received:** 4/29/2010 **Delivery Method:** **Client Service Action Required at Login:** No

**Project:** **No. Coolers:** 1 **Airbill #'s:**

| Cooler Security | Y | N | | Y | N |
|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | ☐ | 3. COC Present: | ☑ | ☐ |
| 2. Custody Seals Intact: | ☑ | ☐ | 4. Smpl Dates/Time OK | ☑ | ☐ |

| Cooler Temperature | Y | N |
|---|---|---|
| 1. Temp criteria achieved: | ☑ | ☐ |
| 2. Cooler temp verification: | Infared gun | |
| 3. Cooler media: | Ice (bag) | |

| Quality Control Preservatio | Y | N | N/A |
|---|---|---|---|
| 1. Trip Blank present / cooler: | ☑ | ☐ | ☐ |
| 2. Trip Blank listed on COC: | ☑ | ☐ | ☐ |
| 3. Samples preserved properly: | ☑ | ☐ | |
| 4. VOCs headspace free: | ☑ | ☐ | ☐ |

| Sample Integrity - Documentation | Y | N |
|---|---|---|
| 1. Sample labels present on bottles: | ☑ | ☐ |
| 2. Container labeling complete: | ☑ | ☐ |
| 3. Sample container label / COC agree: | ☑ | ☐ |

| Sample Integrity - Condition | Y | N |
|---|---|---|
| 1. Sample recvd within HT: | ☑ | ☐ |
| 2. All containers accounted for: | ☑ | ☐ |
| 3. Condition of sample: | Intact | |

| Sample Integrity - Instructions | Y | N | N/A |
|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☑ |

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

06/18/10

# Technical Report for

## Roux Associates

Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY

Accutest Job Number: JA45599

Sampling Date: 04/30/10

Report to:

Roux Associates

jdiminich@rouxinc.com

ATTN: Jessica Diminich

Total number of pages in report: **62**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.



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Accutest LabLink@561706 07:53 18-Jun-2010

# Sample Summary

Roux Associates

Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY

**Job No:** JA45599

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| JA45599-1 | 04/30/10 | 08:30 | CR | 05/01/10 | SO | Soil | SB-2/MW-2/0-2 |
| JA45599-2 | 04/30/10 | 09:00 | CR | 05/01/10 | SO | Soil | SB-2/MW-2/18-20 |
| JA45599-3 | 04/30/10 | 10:15 | CR | 05/01/10 | SO | Soil | SB-10/MW-6/0-2 |
| JA45599-4 | 04/30/10 | 10:40 | CR | 05/01/10 | SO | Soil | SB-10/MW-6/14-16 |
| JA45599-5 | 04/30/10 | 11:30 | CR | 05/01/10 | SO | Soil | SB-9/0-2 |
| JA45599-6 | 04/30/10 | 12:00 | CR | 05/01/10 | SO | Soil | SB-9/16-18 |
| JA45599-7 | 04/30/10 | 12:00 | CR | 05/01/10 | AQ | Trip Blank Soil | TRIP BLANK |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

# CASE NARRATIVE / CONFORMANCE SUMMARY

| | | | |
|---|---|---|---|
| **Client:** | Roux Associates | **Job No** | JA45599 |
| **Site:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | **Report Date** | 5/19/2010 2:55:27 PM |

On 05/01/2010, 6 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1.8 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA45599 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

## Volatiles by GCMS By Method SW846 8260B

**Matrix:** AQ **Batch ID:** V2B3123

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45387-1MS, JA45387-1MSD were used as the QC samples indicated.

**Matrix:** SO **Batch ID:** VG6134

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45599-1MS, JA45599-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Methyl Acetate are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Methyl Acetate are outside control limits. Outside control limits due to matrix interference.

**Matrix:** SO **Batch ID:** VG6136

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45599-2MS, JA45599-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

**Matrix:** SO **Batch ID:** VG6139

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45599-6MS, JA45599-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2-Butanone (MEK), Acetone, Methyl Acetate, Methyl Tert Butyl Ether are outside control limits for sample JA45599-6MSD. Outside control limits due to matrix interference.

**Matrix:** SO **Batch ID:** VS5381

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45599-4MS, JA45599-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

## Extractables by GCMS By Method SW846 8270C

| **Matrix:** SO | **Batch ID:** OP43417 |
|---|---|

- All samples were extracted within the recommended method holding time.
- Sample(s) JA45419-1MS, JA45419-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 4-Nitroaniline are outside control limits for sample OP43417-MSD. Outside control limits due to matrix interference.

## Extractables by GC By Method SW846 8081A

| **Matrix:** SO | **Batch ID:** OP43420 |
|---|---|

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45460-1MS, JA45460-1MSD, OP43420-MSMSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for beta-BHC, Endrin ketone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for beta-BHC, delta-BHC, Endosulfan sulfate, Endosulfan-II, Endrin, Endrin aldehyde, Endrin ketone, Methoxychlor are outside control limits for sample OP43420-MSD. Analytical precision exceeds standard laboratory control limits.
- OP43420-MS for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP43420-BS1 for Endrin: Reported from 1st signal. %D of end check calibration on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP43420-BS1 for 4,4'-DDT: Reported from 1st signal. %D of end check calibration on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP43420-BS1 for Heptachlor epoxide: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP43420-BS1 for Dieldrin: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP43420-BS1 for beta-BHC: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP43420-BS1 for 4,4'-DDE: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP43420-BS1 for Aldrin: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.

## Extractables by GC By Method SW846 8082

| **Matrix:** SO | **Batch ID:** OP43421 |
|---|---|

- All samples were extracted within the recommended method holding time.
- Sample(s) JA45599-6MS, JA45599-6MSD, OP43421-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

## Metals By Method SW846 6010B

| **Matrix:** SO | **Batch ID:** MP52645 |
|---|---|

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45599-6MS, JA45599-6MSD, JA45599-6SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Iron, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Beryllium, Cadmium, Silver, Thallium are outside control limits for sample MP52645-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- RPD(s) for Serial Dilution for Calcium, Zinc are outside control limits for sample MP52645-SD1. Serial dilution indicates possible matrix interference.

## Metals By Method SW846 7471A

| **Matrix:** SO | **Batch ID:** MP52619 |
|---|---|

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45599-6MS, JA45599-6MSD were used as the QC samples for metals.

## Wet Chemistry By Method SM18 2540G

| **Matrix:** SO | **Batch ID:** GN37413 |
|---|---|

- The data for SM18 2540G meets quality control requirements.

| **Matrix:** SO | **Batch ID:** GN37419 |
|---|---|

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

## Sample Results

Report of Analysis

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/0-2 | | |
| **Lab Sample ID:** | JA45599-1 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 87.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G129476.D | 1 | 05/08/10 | SJM | n/a | n/a | VG6134 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.3 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 2.9 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.3 | 0.45 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.6 | 0.29 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.6 | 0.34 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.6 | 0.20 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.6 | 0.53 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.6 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.6 | 0.40 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.6 | 0.73 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.6 | 0.45 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.6 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.6 | 0.42 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.6 | 0.22 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.6 | 0.20 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.72 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.6 | 0.15 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.18 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.6 | 0.36 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.6 | 0.36 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.6 | 0.45 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.6 | 1.3 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.6 | 0.18 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.46 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.6 | 0.88 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.6 | 0.32 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.6 | 0.59 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.6 | 0.17 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.6 | 0.18 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.6 | 0.13 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 170 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.3 | 0.49 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.6 | 0.74 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/0-2 | | |
| **Lab Sample ID:** | JA45599-1 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 87.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.6 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.6 | 0.69 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.6 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.6 | 0.87 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.37 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.6 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.6 | 0.29 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.6 | 0.14 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.6 | 0.39 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.6 | 0.19 | ug/kg | |
| 108-88-3 | Toluene | ND | 1.3 | 0.39 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.6 | 2.1 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.6 | 0.46 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.6 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.6 | 0.24 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.6 | 0.70 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.6 | 0.30 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.6 | 0.24 | ug/kg | |
| | m,p-Xylene | ND | 2.6 | 0.62 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.3 | 0.62 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.6 | 0.62 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 96% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 92% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 102% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/0-2 | | |
| **Lab Sample ID:** | JA45599-1 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 87.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Z55387.D | 1 | 05/12/10 | LP | 05/05/10 | OP43417 | EZ2057 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.1 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 160 | 33 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 160 | 32 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 160 | 52 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 160 | 54 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 650 | 40 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 650 | 40 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 65 | 37 | ug/kg | |
| | 3&4-Methylphenol | ND | 65 | 41 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 160 | 34 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 320 | 55 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 320 | 55 | ug/kg | |
| 108-95-2 | Phenol | ND | 65 | 34 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 160 | 33 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 160 | 38 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 160 | 30 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 32 | 9.4 | ug/kg | |
| 208-96-8 | Acenaphthylene | 17.1 | 32 | 10 | ug/kg | J |
| 98-86-2 | Acetophenone | ND | 160 | 5.7 | ug/kg | |
| 120-12-7 | Anthracene | 19.8 | 32 | 11 | ug/kg | J |
| 1912-24-9 | Atrazine | ND | 160 | 6.4 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 95.0 | 32 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 101 | 32 | 9.9 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 89.2 | 32 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | 72.3 | 32 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | 87.5 | 32 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 65 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 65 | 19 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 65 | 3.8 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 160 | 7.5 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 65 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 160 | 10 | ug/kg | |
| 86-74-8 | Carbazole | ND | 65 | 15 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/0-2 | | |
| **Lab Sample ID:** | JA45599-1 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 87.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 65 | 10 | ug/kg | |
| 218-01-9 | Chrysene | 101 | 32 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 65 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 65 | 9.8 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 65 | 9.6 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 65 | 9.8 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 65 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 65 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 160 | 8.2 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 19.9 | 32 | 11 | ug/kg | J |
| 132-64-9 | Dibenzofuran | ND | 65 | 9.6 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 65 | 7.2 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 65 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 65 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 65 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 65 | 29 | ug/kg | |
| 206-44-0 | Fluoranthene | 149 | 32 | 14 | ug/kg | |
| 86-73-7 | Fluorene | ND | 32 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 65 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 32 | 9.0 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 650 | 33 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 160 | 9.0 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 63.5 | 32 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 65 | 8.7 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 65 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 160 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 32 | 8.8 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 65 | 9.4 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 65 | 7.9 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 160 | 19 | ug/kg | |
| 85-01-8 | Phenanthrene | 57.8 | 32 | 15 | ug/kg | |
| 129-00-0 | Pyrene | 137 | 32 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 160 | 10 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 38% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 42% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/0-2 | | |
| **Lab Sample ID:** | JA45599-1 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 87.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 54% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 43% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 52% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 57% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/0-2 | | |
| **Lab Sample ID:** | JA45599-1 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 87.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G45983.D | 1 | 05/14/10 | VDT | 05/05/10 | OP43420 | G2G1761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.59 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.3 | 0.41 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.64 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.36 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.41 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.3 | 0.45 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.3 | 0.52 | ug/kg | |
| 60-57-1 | Dieldrin | 1.6 | 1.3 | 0.45 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.3 | 0.57 | ug/kg | |
| 72-55-9 | 4,4'-DDE | 1.3 | 1.3 | 0.46 | ug/kg | |
| 50-29-3 | 4,4'-DDT | 6.8 | 1.3 | 0.55 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.46 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.50 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.62 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.45 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.50 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.60 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.51 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.59 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.47 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 17 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 78% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 74% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 61% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 68% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/0-2 | | |
| **Lab Sample ID:** | JA45599-1 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 87.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | EF88795.D | 1 | 05/05/10 | VDT | 05/05/10 | OP43421 | GEF3932 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 33 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 33 | 22 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 33 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 33 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 33 | 6.6 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 33 | 8.3 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 33 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 33 | 7.5 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 33 | 6.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 79% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 89% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 77% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 96% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/0-2 | | |
| **Lab Sample ID:** | JA45599-1 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 87.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 11700 | 24 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Antimony | < 2.4 | 2.4 | mg/kg | 1 | 05/12/10 | 05/14/10 | GT | SW846 6010B [3] | SW846 3050B [6] |
| Arsenic | 4.0 | 2.4 | mg/kg | 1 | 05/12/10 | 05/14/10 | GT | SW846 6010B [3] | SW846 3050B [6] |
| Barium | 104 | 24 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Beryllium | 0.30 | 0.24 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Cadmium | < 0.60 | 0.60 | mg/kg | 1 | 05/12/10 | 05/14/10 | GT | SW846 6010B [3] | SW846 3050B [6] |
| Calcium | 9450 | 600 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Chromium | 20.4 | 1.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Cobalt | < 6.0 | 6.0 | mg/kg | 1 | 05/12/10 | 05/14/10 | GT | SW846 6010B [3] | SW846 3050B [6] |
| Copper | 28.5 | 3.0 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Iron | 15100 | 12 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Lead | 213 | 2.4 | mg/kg | 1 | 05/12/10 | 05/14/10 | GT | SW846 6010B [3] | SW846 3050B [6] |
| Magnesium | 2490 | 600 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Manganese | 287 | 1.8 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Mercury | 0.28 | 0.035 | mg/kg | 1 | 05/10/10 | 05/11/10 | JF | SW846 7471A [1] | SW846 7471A [5] |
| Nickel | 12.8 | 4.8 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Potassium | 1400 | 1200 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Selenium | < 2.4 | 2.4 | mg/kg | 1 | 05/12/10 | 05/14/10 | GT | SW846 6010B [3] | SW846 3050B [6] |
| Silver | < 0.60 | 0.60 | mg/kg | 1 | 05/12/10 | 05/17/10 | GT | SW846 6010B [4] | SW846 3050B [6] |
| Sodium | < 1200 | 1200 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Thallium | < 1.2 | 1.2 | mg/kg | 1 | 05/12/10 | 05/14/10 | GT | SW846 6010B [3] | SW846 3050B [6] |
| Vanadium | 29.9 | 6.0 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |
| Zinc | 169 | 2.4 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [6] |

(1) Instrument QC Batch: MA24258
(2) Instrument QC Batch: MA24279
(3) Instrument QC Batch: MA24287
(4) Instrument QC Batch: MA24298
(5) Prep QC Batch: MP52619
(6) Prep QC Batch: MP52645

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/18-20 | | |
| **Lab Sample ID:** | JA45599-2 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 90.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G129552.D | 1 | 05/11/10 | SJM | n/a | n/a | VG6136 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.3 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 2.9 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.3 | 0.44 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.4 | 0.28 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.4 | 0.33 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.4 | 0.19 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.4 | 0.52 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.5 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.4 | 0.39 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.4 | 0.71 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.4 | 0.44 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.4 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.4 | 0.41 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.4 | 0.21 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.4 | 0.19 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.70 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.4 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.18 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.4 | 0.35 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.4 | 0.35 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.4 | 0.43 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.4 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.4 | 0.18 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.44 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.4 | 0.85 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.4 | 0.31 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.4 | 0.58 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.4 | 0.17 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.4 | 0.17 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.4 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 160 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.3 | 0.48 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.4 | 0.72 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/18-20 | | |
| **Lab Sample ID:** | JA45599-2 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 90.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.4 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.4 | 0.67 | ug/kg | |
| 79-20-9 | Methyl Acetate | 13.4 | 6.4 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.4 | 0.84 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.36 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.4 | 1.0 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.4 | 0.29 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.4 | 0.14 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.4 | 0.38 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.4 | 0.19 | ug/kg | |
| 108-88-3 | Toluene | ND | 1.3 | 0.38 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.4 | 2.0 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.4 | 0.44 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.4 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.4 | 0.24 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.4 | 0.68 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.4 | 0.29 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.4 | 0.23 | ug/kg | |
| | m,p-Xylene | ND | 2.6 | 0.60 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.3 | 0.60 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.6 | 0.60 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 107% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 105% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 104% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/18-20 | | |
| **Lab Sample ID:** | JA45599-2 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 90.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Z55385.D | 1 | 05/12/10 | LP | 05/05/10 | OP43417 | EZ2057 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.0 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 160 | 32 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 160 | 32 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 160 | 51 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 160 | 53 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 630 | 39 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 630 | 39 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 63 | 36 | ug/kg | |
| | 3&4-Methylphenol | ND | 63 | 40 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 160 | 33 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 320 | 53 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 320 | 54 | ug/kg | |
| 108-95-2 | Phenol | ND | 63 | 33 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 160 | 33 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 160 | 37 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 160 | 30 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 32 | 9.2 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 32 | 10 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 160 | 5.6 | ug/kg | |
| 120-12-7 | Anthracene | ND | 32 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 160 | 6.2 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 32 | 10 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 32 | 9.6 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 32 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 32 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 32 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 63 | 11 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 63 | 18 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 63 | 3.7 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 160 | 7.3 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 63 | 9.8 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 160 | 10 | ug/kg | |
| 86-74-8 | Carbazole | ND | 63 | 15 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/18-20 | | |
| **Lab Sample ID:** | JA45599-2 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 90.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 63 | 9.9 | ug/kg | |
| 218-01-9 | Chrysene | ND | 32 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 63 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 63 | 9.5 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 63 | 9.4 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 63 | 9.5 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 63 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 63 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 160 | 8.0 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 32 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 63 | 9.4 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 63 | 7.0 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 63 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 63 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | 117 | 63 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 63 | 28 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 32 | 14 | ug/kg | |
| 86-73-7 | Fluorene | ND | 32 | 10 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 63 | 10 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 32 | 8.8 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 630 | 32 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 160 | 8.8 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 32 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 63 | 8.5 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 63 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 160 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 160 | 12 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 32 | 8.6 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 63 | 9.1 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 63 | 7.7 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 160 | 19 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 32 | 14 | ug/kg | |
| 129-00-0 | Pyrene | ND | 32 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 160 | 9.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 72% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 78% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/18-20 | | |
| **Lab Sample ID:** | JA45599-2 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 90.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 91% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 68% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 76% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 84% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/18-20 | | |
| **Lab Sample ID:** | JA45599-2 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 90.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G45984.D | 1 | 05/14/10 | VDT | 05/05/10 | OP43420 | G2G1761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.57 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.3 | 0.40 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.62 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.35 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.40 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.3 | 0.43 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.3 | 0.50 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.3 | 0.43 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.3 | 0.55 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.3 | 0.44 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.3 | 0.54 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.45 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.49 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.60 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.44 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.49 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.58 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.49 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.57 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.46 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 71% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 67% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 56% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 74% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/18-20 | | |
| **Lab Sample ID:** | JA45599-2 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 90.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | EF88796.D | 1 | 05/05/10 | VDT | 05/05/10 | OP43421 | GEF3932 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 32 | 11 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 32 | 21 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 32 | 10 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 32 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 32 | 6.4 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 32 | 8.1 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 32 | 12 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 32 | 7.3 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 32 | 6.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 69% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 77% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 76% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 92% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-2/MW-2/18-20 | | |
| **Lab Sample ID:** | JA45599-2 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 90.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 3110 | 23 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Antimony | < 2.3 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Arsenic | < 2.3 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Barium | 30.8 | 23 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Beryllium | 0.31 | 0.23 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cadmium | < 0.58 | 0.58 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Calcium | 637 | 580 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Chromium | 14.8 | 1.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cobalt | 6.8 | 5.8 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Copper | 17.8 | 2.9 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Iron | 22600 | 12 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Lead | 3.9 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Magnesium | 873 | 580 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Manganese | 538 | 1.7 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Mercury | < 0.034 | 0.034 | mg/kg | 1 | 05/10/10 | 05/11/10 | JF | SW846 7471A [1] | SW846 7471A [3] |
| Nickel | 13.0 | 4.6 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Potassium | < 1200 | 1200 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Selenium | < 2.3 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Silver | < 0.58 | 0.58 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Sodium | < 1200 | 1200 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Thallium | < 1.2 | 1.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Vanadium | 23.5 | 5.8 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Zinc | 20.0 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |

(1) Instrument QC Batch: MA24258
(2) Instrument QC Batch: MA24279
(3) Prep QC Batch: MP52619
(4) Prep QC Batch: MP52645

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/0-2 | | |
| **Lab Sample ID:** | JA45599-3 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 85.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G129562.D | 1 | 05/11/10 | SJM | n/a | n/a | VG6136 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.8 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 12 | 2.7 | ug/kg | |
| 71-43-2 | Benzene | 1.5 | 1.2 | 0.41 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.1 | 0.27 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.1 | 0.31 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.1 | 0.18 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.1 | 0.49 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | 2.4 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.1 | 0.37 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.1 | 0.67 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.1 | 0.41 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.1 | 1.2 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.1 | 0.39 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.1 | 0.20 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.1 | 0.18 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 12 | 0.66 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.1 | 0.13 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.2 | 0.17 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.1 | 0.33 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.1 | 0.33 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.1 | 0.41 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.1 | 1.1 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.1 | 0.17 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.2 | 0.42 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.1 | 0.80 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.78 | 6.1 | 0.29 | ug/kg | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.1 | 0.55 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.1 | 0.16 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.1 | 0.16 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.1 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 100 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.2 | 0.45 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.1 | 0.68 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/0-2 | | |
| **Lab Sample ID:** | JA45599-3 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 85.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.1 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.1 | 0.63 | ug/kg | |
| 79-20-9 | Methyl Acetate | 7.8 | 6.1 | 1.0 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.1 | 0.79 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.2 | 0.34 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.1 | 0.98 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.1 | 0.27 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.1 | 0.13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.1 | 0.36 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.1 | 0.18 | ug/kg | |
| 108-88-3 | Toluene | 2.4 | 1.2 | 0.35 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.1 | 1.9 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.1 | 0.42 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.1 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.1 | 0.22 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.1 | 0.64 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.1 | 0.28 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.1 | 0.22 | ug/kg | |
| | m,p-Xylene | 1.5 | 2.4 | 0.57 | ug/kg | J |
| 95-47-6 | o-Xylene | ND | 1.2 | 0.57 | ug/kg | |
| 1330-20-7 | Xylene (total) | 1.5 | 2.4 | 0.57 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 92% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 86% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 101% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/0-2 | | |
| **Lab Sample ID:** | JA45599-3 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 85.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Z55386.D | 1 | 05/12/10 | LP | 05/05/10 | OP43417 | EZ2057 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.2 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 170 | 33 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 170 | 33 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 170 | 53 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 170 | 56 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 660 | 40 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 660 | 40 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 66 | 38 | ug/kg | |
| | 3&4-Methylphenol | ND | 66 | 42 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 170 | 35 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 330 | 56 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 330 | 57 | ug/kg | |
| 108-95-2 | Phenol | ND | 66 | 35 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 170 | 34 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 170 | 38 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 170 | 31 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 33 | 9.6 | ug/kg | |
| 208-96-8 | Acenaphthylene | 19.9 | 33 | 11 | ug/kg | J |
| 98-86-2 | Acetophenone | ND | 170 | 5.8 | ug/kg | |
| 120-12-7 | Anthracene | 23.8 | 33 | 12 | ug/kg | J |
| 1912-24-9 | Atrazine | ND | 170 | 6.5 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 107 | 33 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 99.6 | 33 | 10 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 119 | 33 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | 75.4 | 33 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | 72.2 | 33 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 66 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 66 | 19 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 66 | 3.8 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 170 | 7.6 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 66 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 170 | 11 | ug/kg | |
| 86-74-8 | Carbazole | ND | 66 | 15 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/0-2 | | |
| **Lab Sample ID:** | JA45599-3 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 85.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 66 | 10 | ug/kg | |
| 218-01-9 | Chrysene | 119 | 33 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 66 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 66 | 10 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 66 | 9.8 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 66 | 10 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 66 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 66 | 13 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 170 | 8.4 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 29.0 | 33 | 11 | ug/kg | J |
| 132-64-9 | Dibenzofuran | ND | 66 | 9.8 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 66 | 7.4 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 66 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 66 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | 82.1 | 66 | 12 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 66 | 29 | ug/kg | |
| 206-44-0 | Fluoranthene | 250 | 33 | 15 | ug/kg | |
| 86-73-7 | Fluorene | ND | 33 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 66 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 33 | 9.2 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 660 | 34 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 170 | 9.2 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 63.2 | 33 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 66 | 8.9 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 66 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 170 | 15 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 33 | 9.0 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 66 | 9.6 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 66 | 8.1 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 170 | 20 | ug/kg | |
| 85-01-8 | Phenanthrene | 128 | 33 | 15 | ug/kg | |
| 129-00-0 | Pyrene | 209 | 33 | 13 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 170 | 10 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 47% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 48% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/0-2 | | |
| **Lab Sample ID:** | JA45599-3 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 85.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 62% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 52% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 62% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 65% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/0-2 | | |
| **Lab Sample ID:** | JA45599-3 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 85.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G45985.D | 1 | 05/14/10 | VDT | 05/05/10 | OP43420 | G2G1761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.4 | 0.61 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.4 | 0.42 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.4 | 0.66 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.4 | 0.37 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.4 | 0.42 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.4 | 0.46 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.4 | 0.53 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.4 | 0.46 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.4 | 0.58 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.4 | 0.47 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.4 | 0.57 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.4 | 0.47 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.4 | 0.52 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.4 | 0.63 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.4 | 0.46 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.4 | 0.52 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.4 | 0.61 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.4 | 0.52 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.4 | 0.60 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.4 | 0.48 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 17 | 16 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 72% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 64% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 58% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 61% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/0-2 | | |
| **Lab Sample ID:** | JA45599-3 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 85.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | EF88797.D | 1 | 05/05/10 | VDT | 05/05/10 | OP43421 | GEF3932 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 34 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 34 | 22 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 34 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 34 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 34 | 6.7 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 34 | 8.5 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 34 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 34 | 7.7 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 34 | 6.8 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 66% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 75% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 68% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 85% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/0-2 | | |
| **Lab Sample ID:** | JA45599-3 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 85.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 10500 | 22 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Antimony | < 2.2 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Arsenic | 5.8 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Barium | 209 | 22 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Beryllium | 0.48 | 0.22 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cadmium | 1.5 | 0.56 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Calcium | 70600 | 560 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Chromium | 13.2 | 1.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cobalt | < 5.6 | 5.6 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Copper | 15.9 | 2.8 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Iron | 13100 | 11 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Lead | 858 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Magnesium | 39700 | 560 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Manganese | 296 | 1.7 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Mercury | 0.45 | 0.035 | mg/kg | 1 | 05/10/10 | 05/11/10 | JF | SW846 7471A [1] | SW846 7471A [3] |
| Nickel | 9.0 | 4.4 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Potassium | 1630 | 1100 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Selenium | < 2.2 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Silver | < 0.56 | 0.56 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Sodium | < 1100 | 1100 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Thallium | < 1.1 | 1.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Vanadium | 23.4 | 5.6 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Zinc | 326 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |

(1) Instrument QC Batch: MA24258
(2) Instrument QC Batch: MA24279
(3) Prep QC Batch: MP52619
(4) Prep QC Batch: MP52645

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/14-16 | | |
| **Lab Sample ID:** | JA45599-4 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 90.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | S131271.D | 1 | 05/12/10 | AVM | n/a | n/a | VS5381 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.2 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 2.9 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.3 | 0.45 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.6 | 0.29 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.6 | 0.34 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.6 | 0.20 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.6 | 0.53 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.6 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.6 | 0.40 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.6 | 0.73 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.6 | 0.44 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.6 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.6 | 0.42 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.6 | 0.22 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.6 | 0.20 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.71 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.6 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.18 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.6 | 0.35 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.6 | 0.36 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.6 | 0.44 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.6 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.6 | 0.18 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.45 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.6 | 0.87 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.6 | 0.31 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.6 | 0.59 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.6 | 0.17 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.6 | 0.17 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.6 | 0.13 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 160 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.3 | 0.49 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.6 | 0.74 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/14-16 | | |
| **Lab Sample ID:** | JA45599-4 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 90.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.6 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.6 | 0.68 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.6 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.6 | 0.86 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.37 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.6 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.6 | 0.29 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.6 | 0.14 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.6 | 0.38 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.6 | 0.19 | ug/kg | |
| 108-88-3 | Toluene | 0.52 | 1.3 | 0.38 | ug/kg | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.6 | 2.1 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.6 | 0.45 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.6 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.6 | 0.24 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.6 | 0.69 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.6 | 0.30 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.6 | 0.23 | ug/kg | |
| | m,p-Xylene | ND | 2.6 | 0.62 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.3 | 0.62 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.6 | 0.62 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 85% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 79% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 81% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 87% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/14-16 | | |
| **Lab Sample ID:** | JA45599-4 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 90.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Z55455.D | 1 | 05/15/10 | LP | 05/05/10 | OP43417 | EZ2060 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.0 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 160 | 32 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 160 | 32 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 160 | 51 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 160 | 53 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 630 | 38 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 630 | 38 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 63 | 36 | ug/kg | |
| | 3&4-Methylphenol | ND | 63 | 40 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 160 | 33 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 320 | 53 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 320 | 54 | ug/kg | |
| 108-95-2 | Phenol | ND | 63 | 33 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 160 | 32 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 160 | 37 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 160 | 30 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 32 | 9.1 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 32 | 10 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 160 | 5.5 | ug/kg | |
| 120-12-7 | Anthracene | ND | 32 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 160 | 6.2 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 32 | 10 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 32 | 9.6 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 32 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 32 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 32 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 63 | 11 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 63 | 18 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 63 | 3.7 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 160 | 7.2 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 63 | 9.8 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 160 | 10 | ug/kg | |
| 86-74-8 | Carbazole | ND | 63 | 15 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/14-16 | | |
| **Lab Sample ID:** | JA45599-4 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 90.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 63 | 9.9 | ug/kg | |
| 218-01-9 | Chrysene | ND | 32 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 63 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 63 | 9.5 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 63 | 9.4 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 63 | 9.5 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 63 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 63 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 160 | 8.0 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 32 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 63 | 9.4 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 63 | 7.0 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 63 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 63 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 63 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 83.0 | 63 | 28 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 32 | 14 | ug/kg | |
| 86-73-7 | Fluorene | ND | 32 | 10 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 63 | 10 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 32 | 8.8 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 630 | 32 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 160 | 8.8 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 32 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 63 | 8.5 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 63 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 160 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 160 | 12 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 32 | 8.6 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 63 | 9.1 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 63 | 7.7 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 160 | 19 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 32 | 14 | ug/kg | |
| 129-00-0 | Pyrene | ND | 32 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 160 | 9.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 41% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 43% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/14-16 | | |
| **Lab Sample ID:** | JA45599-4 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 90.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 53% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 43% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 49% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 60% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/14-16 | | |
| **Lab Sample ID:** | JA45599-4 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 90.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G45986.D | 1 | 05/14/10 | VDT | 05/05/10 | OP43420 | G2G1761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.58 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.3 | 0.40 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.63 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.35 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.40 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.3 | 0.43 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.3 | 0.50 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.3 | 0.43 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.3 | 0.55 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.3 | 0.45 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.3 | 0.54 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.45 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.49 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.60 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.44 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.49 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.58 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.50 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.57 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.46 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 81% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 72% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 61% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 64% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/14-16 | | |
| **Lab Sample ID:** | JA45599-4 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 90.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | AB88287.D | 1 | 05/06/10 | VDT | 05/05/10 | OP43421 | GAB5517 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 32 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 32 | 21 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 32 | 10 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 32 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 32 | 6.4 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | 453 | 32 | 8.1 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | 179 | 32 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 32 | 7.3 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 32 | 6.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 88% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 91% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 91% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 93% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-10/MW-6/14-16 | | |
| **Lab Sample ID:** | JA45599-4 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 90.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 9630 | 21 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Antimony | < 2.1 | 2.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Arsenic | < 2.1 | 2.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Barium | 77.1 | 21 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Beryllium | 0.43 | 0.21 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cadmium | < 0.54 | 0.54 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Calcium | 657 | 540 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Chromium | 24.5 | 1.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cobalt | 8.8 | 5.4 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Copper | 19.5 | 2.7 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Iron | 25100 | 11 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Lead | 5.5 | 2.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Magnesium | 3050 | 540 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Manganese | 359 | 1.6 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Mercury | < 0.036 | 0.036 | mg/kg | 1 | 05/10/10 | 05/11/10 | JF | SW846 7471A [1] | SW846 7471A [3] |
| Nickel | 18.5 | 4.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Potassium | 3210 | 1100 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Selenium | < 2.1 | 2.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Silver | < 0.54 | 0.54 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Sodium | < 1100 | 1100 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Thallium | < 1.1 | 1.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Vanadium | 34.6 | 5.4 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Zinc | 40.8 | 2.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |

(1) Instrument QC Batch: MA24258
(2) Instrument QC Batch: MA24279
(3) Prep QC Batch: MP52619
(4) Prep QC Batch: MP52645

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/0-2 | | |
| **Lab Sample ID:** | JA45599-5 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 86.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G129563.D | 1 | 05/12/10 | SJM | n/a | n/a | VG6136 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.8 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 108 | 12 | 2.7 | ug/kg | |
| 71-43-2 | Benzene | 1.6 | 1.2 | 0.41 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.0 | 0.27 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.0 | 0.31 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.0 | 0.18 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.0 | 0.49 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | 2.4 | ug/kg | |
| 75-15-0 | Carbon disulfide | 1.2 | 6.0 | 0.37 | ug/kg | J |
| 56-23-5 | Carbon tetrachloride | ND | 6.0 | 0.67 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.0 | 0.41 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.0 | 1.2 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.0 | 0.38 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.0 | 0.20 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.0 | 0.18 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 12 | 0.65 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.0 | 0.13 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.2 | 0.17 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.0 | 0.33 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.0 | 0.33 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.0 | 0.41 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.0 | 1.1 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.0 | 0.17 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.2 | 0.42 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.0 | 0.80 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.1 | 6.0 | 0.29 | ug/kg | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.0 | 0.54 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.0 | 0.16 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.0 | 0.16 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.0 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 100 | ug/kg | |
| 100-41-4 | Ethylbenzene | 1.0 | 1.2 | 0.45 | ug/kg | J |
| 76-13-1 | Freon 113 | ND | 6.0 | 0.68 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/0-2 | | |
| **Lab Sample ID:** | JA45599-5 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 86.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.0 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.0 | 0.63 | ug/kg | |
| 79-20-9 | Methyl Acetate | 69.3 | 6.0 | 0.99 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.0 | 0.79 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.2 | 0.34 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.0 | 0.98 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.0 | 0.27 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.0 | 0.13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.0 | 0.35 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.0 | 0.18 | ug/kg | |
| 108-88-3 | Toluene | 2.7 | 1.2 | 0.35 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.0 | 1.9 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.0 | 0.42 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.0 | 0.15 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.0 | 0.22 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.0 | 0.64 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.0 | 0.28 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.0 | 0.22 | ug/kg | |
| | m,p-Xylene | 2.4 | 2.4 | 0.57 | ug/kg | |
| 95-47-6 | o-Xylene | 1.4 | 1.2 | 0.57 | ug/kg | |
| 1330-20-7 | Xylene (total) | 3.9 | 2.4 | 0.57 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 93% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 86% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 102% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/0-2 | | |
| **Lab Sample ID:** | JA45599-5 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 86.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Z55457.D | 1 | 05/15/10 | LP | 05/05/10 | OP43417 | EZ2060 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.1 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 170 | 33 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 170 | 33 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 170 | 53 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 170 | 56 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 660 | 40 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 660 | 40 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 66 | 38 | ug/kg | |
| | 3&4-Methylphenol | ND | 66 | 42 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 170 | 35 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 330 | 56 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 330 | 57 | ug/kg | |
| 108-95-2 | Phenol | ND | 66 | 35 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 170 | 34 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 170 | 38 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 170 | 31 | ug/kg | |
| 83-32-9 | Acenaphthene | 105 | 33 | 9.6 | ug/kg | |
| 208-96-8 | Acenaphthylene | 16.2 | 33 | 11 | ug/kg | J |
| 98-86-2 | Acetophenone | ND | 170 | 5.8 | ug/kg | |
| 120-12-7 | Anthracene | 164 | 33 | 12 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 170 | 6.5 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 288 | 33 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 272 | 33 | 10 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 263 | 33 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | 162 | 33 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | 242 | 33 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 66 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 66 | 19 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 66 | 3.8 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 170 | 7.6 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 66 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 170 | 11 | ug/kg | |
| 86-74-8 | Carbazole | 47.7 | 66 | 15 | ug/kg | J |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/0-2 | | |
| **Lab Sample ID:** | JA45599-5 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 86.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 66 | 10 | ug/kg | |
| 218-01-9 | Chrysene | 332 | 33 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 66 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 66 | 9.9 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 66 | 9.8 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 66 | 9.9 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 66 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 66 | 13 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 170 | 8.4 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 58.7 | 33 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | 67.4 | 66 | 9.8 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 66 | 7.3 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 66 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 66 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | 65.9 | 66 | 12 | ug/kg | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 272 | 66 | 29 | ug/kg | |
| 206-44-0 | Fluoranthene | 699 | 33 | 15 | ug/kg | |
| 86-73-7 | Fluorene | 58.6 | 33 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 66 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 33 | 9.2 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 660 | 34 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 170 | 9.2 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 159 | 33 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 66 | 8.9 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 66 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 170 | 15 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | 42.6 | 33 | 9.0 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 66 | 9.6 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 66 | 8.1 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 170 | 20 | ug/kg | |
| 85-01-8 | Phenanthrene | 486 | 33 | 15 | ug/kg | |
| 129-00-0 | Pyrene | 606 | 33 | 13 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 170 | 10 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 58% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 70% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/0-2 | | |
| **Lab Sample ID:** | JA45599-5 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 86.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 66% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 63% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 65% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 63% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/0-2 | | |
| **Lab Sample ID:** | JA45599-5 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 86.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G45987.D | 1 | 05/14/10 | VDT | 05/05/10 | OP43420 | G2G1761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.4 | 0.61 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.4 | 0.42 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.4 | 0.66 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.4 | 0.37 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.4 | 0.42 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.4 | 0.46 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.4 | 0.53 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.4 | 0.46 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.4 | 0.58 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.4 | 0.47 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.4 | 0.57 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.4 | 0.47 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.4 | 0.52 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.4 | 0.64 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.4 | 0.46 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.4 | 0.52 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.4 | 0.61 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.4 | 0.52 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.4 | 0.60 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.4 | 0.48 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 17 | 16 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 64% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 64% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 41% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 67% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/0-2 | | |
| **Lab Sample ID:** | JA45599-5 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 86.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | EF88799.D | 1 | 05/05/10 | VDT | 05/05/10 | OP43421 | GEF3932 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 34 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 34 | 22 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 34 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 34 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | 335 | 34 | 6.7 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 34 | 8.5 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | 60.0 | 34 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 34 | 7.7 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 34 | 6.8 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 75% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 86% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 68% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 89% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/0-2 | | |
| **Lab Sample ID:** | JA45599-5 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 86.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 13200 | 23 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Antimony | < 2.3 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Arsenic | 5.2 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Barium | 174 | 23 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Beryllium | 0.59 | 0.23 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cadmium | 3.9 | 0.59 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Calcium | 8980 | 590 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Chromium | 25.1 | 1.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cobalt | 6.6 | 5.9 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Copper | 62.1 | 2.9 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Iron | 18500 | 12 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Lead | 550 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Magnesium | 2750 | 590 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Manganese | 294 | 1.8 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Mercury | 0.63 | 0.038 | mg/kg | 1 | 05/10/10 | 05/11/10 | JF | SW846 7471A [1] | SW846 7471A [3] |
| Nickel | 24.2 | 4.7 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Potassium | < 1200 | 1200 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Selenium | < 2.3 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Silver | < 0.59 | 0.59 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Sodium | < 1200 | 1200 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Thallium | < 1.2 | 1.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Vanadium | 31.5 | 5.9 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Zinc | 641 | 2.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |

(1) Instrument QC Batch: MA24258
(2) Instrument QC Batch: MA24279
(3) Prep QC Batch: MP52619
(4) Prep QC Batch: MP52645

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/16-18 | | |
| **Lab Sample ID:** | JA45599-6 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 94.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G129618.D | 1 | 05/13/10 | SJM | n/a | n/a | VG6139 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 5.1 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.3 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.0 | 0.35 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 5.2 | 0.23 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 5.2 | 0.27 | ug/kg | |
| 75-25-2 | Bromoform | ND | 5.2 | 0.16 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 5.2 | 0.42 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 2.0 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 5.2 | 0.32 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 5.2 | 0.57 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 5.2 | 0.35 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 5.2 | 1.0 | ug/kg | |
| 67-66-3 | Chloroform | ND | 5.2 | 0.33 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 5.2 | 0.17 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 5.2 | 0.16 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 0.56 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 5.2 | 0.11 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.0 | 0.14 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.2 | 0.28 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.2 | 0.28 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.2 | 0.35 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.2 | 0.98 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.2 | 0.14 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.36 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.2 | 0.68 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.2 | 0.25 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.2 | 0.46 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.2 | 0.13 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.2 | 0.14 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.2 | 0.099 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 89 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.38 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 5.2 | 0.58 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/16-18 | | |
| **Lab Sample ID:** | JA45599-6 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 94.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.2 | 1.0 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 5.2 | 0.54 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 5.2 | 0.85 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 5.2 | 0.68 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.29 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.2 | 0.84 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 5.2 | 0.23 | ug/kg | |
| 100-42-5 | Styrene | ND | 5.2 | 0.11 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.2 | 0.30 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 5.2 | 0.15 | ug/kg | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.2 | 1.6 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.2 | 0.36 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.2 | 0.13 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.2 | 0.19 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 5.2 | 0.54 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.2 | 0.24 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 5.2 | 0.18 | ug/kg | |
| | m,p-Xylene | ND | 2.1 | 0.49 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.49 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.1 | 0.49 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 92% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 87% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 102% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/16-18 | | |
| **Lab Sample ID:** | JA45599-6 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 94.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Z55456.D | 1 | 05/15/10 | LP | 05/05/10 | OP43417 | EZ2060 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.2 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 150 | 30 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 150 | 30 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 150 | 48 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 150 | 50 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 600 | 37 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 600 | 37 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 60 | 34 | ug/kg | |
| | 3&4-Methylphenol | ND | 60 | 38 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 150 | 32 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 300 | 51 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 300 | 51 | ug/kg | |
| 108-95-2 | Phenol | ND | 60 | 31 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 150 | 31 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 150 | 35 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 150 | 28 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 30 | 8.7 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 30 | 9.6 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 150 | 5.3 | ug/kg | |
| 120-12-7 | Anthracene | ND | 30 | 10 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 150 | 5.9 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 30 | 9.8 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 30 | 9.1 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 30 | 10 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 30 | 11 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 30 | 11 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 60 | 11 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 60 | 17 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 60 | 3.5 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 150 | 6.9 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 60 | 9.3 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 150 | 9.6 | ug/kg | |
| 86-74-8 | Carbazole | ND | 60 | 14 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/16-18 | | |
| **Lab Sample ID:** | JA45599-6 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 94.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 60 | 9.4 | ug/kg | |
| 218-01-9 | Chrysene | ND | 30 | 10 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 60 | 12 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 60 | 9.0 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 60 | 8.9 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 60 | 9.0 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 60 | 13 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 60 | 11 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 150 | 7.6 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 30 | 10 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 60 | 8.9 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 60 | 6.7 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 60 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 60 | 10 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 60 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 74.8 | 60 | 26 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 30 | 13 | ug/kg | |
| 86-73-7 | Fluorene | ND | 30 | 9.8 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 60 | 9.8 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 30 | 8.3 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 600 | 31 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 150 | 8.3 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 30 | 10 | ug/kg | |
| 78-59-1 | Isophorone | ND | 60 | 8.1 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 60 | 17 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 150 | 13 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 30 | 8.2 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 60 | 8.7 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 60 | 7.3 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 150 | 18 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 30 | 14 | ug/kg | |
| 129-00-0 | Pyrene | ND | 30 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 150 | 9.2 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 45% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 50% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/16-18 | | |
| **Lab Sample ID:** | JA45599-6 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 94.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 63% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 51% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 61% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 75% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/16-18 | | |
| **Lab Sample ID:** | JA45599-6 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 94.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G45988.D | 1 | 05/14/10 | VDT | 05/05/10 | OP43420 | G2G1761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.0 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.2 | 0.56 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.2 | 0.38 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.2 | 0.60 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.2 | 0.34 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.2 | 0.38 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.2 | 0.42 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.2 | 0.49 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.2 | 0.42 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.2 | 0.53 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.2 | 0.43 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.2 | 0.52 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.2 | 0.43 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.2 | 0.47 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.2 | 0.58 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.2 | 0.42 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.2 | 0.47 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.2 | 0.56 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.2 | 0.48 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.2 | 0.55 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.2 | 0.44 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 14 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 57% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 57% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 73% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/16-18 | | |
| **Lab Sample ID:** | JA45599-6 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 94.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | EF88794.D | 1 | 05/05/10 | VDT | 05/05/10 | OP43421 | GEF3932 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.0 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 31 | 11 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 31 | 21 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 31 | 10 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 31 | 11 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 31 | 6.2 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 31 | 7.8 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 31 | 12 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 31 | 7.0 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 31 | 6.3 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 56% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 63% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 91% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 109% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-9/16-18 | | |
| **Lab Sample ID:** | JA45599-6 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 94.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 2750 | 22 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Antimony | < 2.2 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Arsenic | < 2.2 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Barium | < 22 | 22 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Beryllium | < 0.22 | 0.22 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cadmium | < 0.54 | 0.54 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Calcium | < 540 | 540 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Chromium | 10.8 | 1.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cobalt | < 5.4 | 5.4 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Copper | 9.1 | 2.7 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Iron | 12100 | 11 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Lead | < 2.2 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Magnesium | 705 | 540 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Manganese | 194 | 1.6 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Mercury | < 0.031 | 0.031 | mg/kg | 1 | 05/10/10 | 05/11/10 | JF | SW846 7471A [1] | SW846 7471A [3] |
| Nickel | 7.2 | 4.3 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Potassium | < 1100 | 1100 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Selenium | < 2.2 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Silver | < 0.54 | 0.54 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Sodium | < 1100 | 1100 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Thallium | < 1.1 | 1.1 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Vanadium | 11.7 | 5.4 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Zinc | 14.9 | 2.2 | mg/kg | 1 | 05/12/10 | 05/13/10 | GT | SW846 6010B [2] | SW846 3050B [4] |

(1) Instrument QC Batch: MA24258
(2) Instrument QC Batch: MA24274
(3) Prep QC Batch: MP52619
(4) Prep QC Batch: MP52645

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | JA45599-7 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | AQ - Trip Blank Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2B69893.D | 1 | 05/10/10 | MFH | n/a | n/a | V2B3123 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | JA45599-7 | **Date Sampled:** | 04/30/10 |
| **Matrix:** | AQ - Trip Blank Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 100% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 91% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 93% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Misc. Forms

## Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST

# Sample Log-In Summary

JA45599 COC

Lab Name: Accutest Page 1 of 1

Received by (Print Name): Bob LoFrano Log-in Date: 5-1-10

Received by (Signature):

Case Number: N/A

SDG Number:

SAS Number: N/A

REMARKS:

1. Custody Seal(s) Present/Absent* (Absent circled) Intact/Broken
2. Custody Seal Numbers: N/A
3. Chain-of-Custody Records Present/Absent* (Present circled)
4. Contract Lab Sample Inform. Sheet (CLSIS) Present/Absent*
5. Airbill Airbill/Sticker (circled) Present/Absent* (Present circled)
6. Airbill No.: 872667947136
7. Sample Tags Sample Tag Nos. Present/Absent* Listed/Not Listed on Chain-of-Custody
8. Sample Condition Intact/Broken*/ Leaking
9. Does Information on custody rec., CLSIS, & sample tags agree Yes/No* COC & Labels Agree
10. Date received at Lab: 5-1-10
11. Time Received: 1030
12. Do aqueous VOC vials have headspace? Yes/No* N/A
13. Are preserved voc soil samples fully immersed in preservative? Yes/No* N/A (circled)

| NYSDEC SAMPLE # | CORRESPONDING SAMPLE TAG # | ASSIGNED LAB # | REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC. |
|---|---|---|---|
| N/A | | JA45599 | -1 |
| N/A | | | -2 |
| N/A | | | -3 |
| N/A | | | -4 |
| N/A | | | -5 |
| N/A | | | -6 |
| N/A | | | -7 |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
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| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |

Sample Transfer

Fraction:
Area #:
By:
On:

See Internal Chain of Custody

Contract BTSR and attach record of resolution

Reviewed By:

Date:

Logbook No.: N/A

Logbook Page No.: N/A

**Form: SM10-02**
**Rev. Date: 8/21/03**

JA45599: Chain of Custody
Page 1 of 4

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** JA45599 **Client:** **Immediate Client Services Action Required:** No

**Date / Time Received:** 5/1/2010 **Delivery Method:** **Client Service Action Required at Login:** No

**Project:** **No. Coolers:** 1 **Airbill #'s:**

| Cooler Security | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| Cooler Temperature | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☑ | | ☐ |
| 2. Cooler temp verification: | Infared gun | | |
| 3. Cooler media: | Ice (bag) | | |

| Quality Control Preservatio | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☐ | ☑ |
| 2. Trip Blank listed on COC: | ☐ | | ☐ | ☑ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☐ | | ☐ | ☑ |

| Sample Integrity - Documentation | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| Sample Integrity - Condition | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Intact | | |

| Sample Integrity - Instructions | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

ACCUTEST Laboratories

SO
STB

# CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # 8726679471 36
Bottle Order Control #
Accutest Quote #
Accutest Job # JA45599

**Client / Reporting Information**

Company Name: Roux Associates Inc.
Street Address: 209 Shafter St.
City State Zip: Islandia NY 11749
Project Contact: Jessica Diminich
E-mail: jdiminich@roxinc.com
Phone #: 631 232 2600
Fax #:
Sampler(s) Name(s): Carolyn Roth
Phone #: 631 831 8539

**Project Information**

Project Name: Top 8 Prince St.
Street: 133-42 39th Ave
City State: Flushing NY
Project #:
Client Purchase Order #:
Project Manager: Jessica Diminich

**Billing Information ( if different from Report to)**

Company Name:
Street Address:
City State Zip:
Attention:

**Requested Analysis ( see TEST CODE sheet)**

**Matrix Codes**

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

| Accutest Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | TS260TCL11 | AB8270TCL11 | METAL | PPCB | | | | | | | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | SB-2/MW-2/0-2 | | 4/30/10 | 830 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | | | | | | EX93 |
| -2 | SB-2/MW-2/18-20 | | 4/30/10 | 900 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | | | | | | ME30 |
| 3 | SB-10/MW-6/0-2 | | 4/30/10 | 1015 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | | | | | | 1903 |
| -4 | SB-10/MW-6/14-16 | | 4/30/10 | 1040 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | | | | | | 408 |
| -5 | SB-9/0-2 | | 4/30/10 | 1130 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | | | | | | |
| 6 | SB-9/16-18 | | 4/30/10 | 1200 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | | | | | | | |
| -7 | Trip Blank | | | | | | | | | | | | | | | | | | | | | | | | | |

**Turnaround Time ( Business days)**

- [x] Std. 15 Business Days
- [x] Std. 10 Business Days ( by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date: NA 5/6

**Data Deliverable Information**

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" ( Level 2)
- [ ] FULLT1 ( Level 3+4 )
- [ ] NJ Reduced
- [ ] Commercial "C"
- [x] NYASP Category A
- [x] NYASP Category B 5/6
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

**Comments / Special Instructions**

TB filled 4/27/10 @1800 TRS 5/1/10

Sample Custody must be documented below each time samples change possession, including courier delivery.

| Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|
| 1 | 4/30/10 1600 | 1 FedX | 2 FedX | 5/1/10 1830 | 2 |
| Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
| 3 | | 3 | 4 | | 4 |
| Relinquished by: | Date Time: | Received By: | Custody Seal # | Preserved where applicable | On Ice: ☑ Cooler Temp. 1.8°C |
| 5 | | 5 | ☐ Intact ☐ Not intact | ☐ | |

TRS

4.1
4

## Job Change Order: JA45599_5/13/2010

| | | | |
|---|---|---|---|
| **Requested Date:** | 5/13/2010 | **Received Date:** | 5/1/2010 |
| **Account Name:** | Roux Associates | **Due Date:** | 5/17/2010 |
| **Project Description:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, | **Deliverable:** | NYASPB |
| **CSR:** | MV | **TAT (Days):** | 14 |

**Sample #:**
JA45599-1 thru 6

**Change:** Delete P8082PCB11. Add XPPTCL11 (as originally requested on the chain)

**bove Changes** MV **Date:** 5/13/2010

› Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

# Sample Summary

Roux Associates

Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY

**Job No:** JA45600

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| JA45600-1 | 04/29/10 | 09:00 | CR | 05/01/10 | SO | Soil | SB-7/MW-4/0-2 |
| JA45600-2 | 04/29/10 | 10:00 | CR | 05/01/10 | SO | Soil | SB-7/MW-4/25-27 |
| JA45600-3 | 04/29/10 | 10:15 | CR | 05/01/10 | SO | Soil | SB-11/0-2 |
| JA45600-4 | 04/29/10 | 11:00 | CR | 05/01/10 | SO | Soil | SB-11/22-24 |
| JA45600-5 | 04/29/10 | 11:30 | CR | 05/01/10 | SO | Soil | SB-8/0-2 |
| JA45600-6 | 04/29/10 | 11:45 | CR | 05/01/10 | SO | Soil | SB-8/20-22 |
| JA45600-7 | 04/29/10 | 12:30 | CR | 05/01/10 | SO | Soil | SB-3/MW-3/0-2 |
| JA45600-8 | 04/29/10 | 13:30 | CR | 05/01/10 | SO | Soil | SB-3/MW-3/28-30 |
| JA45600-9 | 04/29/10 | 14:00 | CR | 05/01/10 | SO | Soil | SB-5/MW-5/0-2 |
| JA45600-10 | 04/29/10 | 14:30 | CR | 05/01/10 | SO | Soil | SB-5/MW-5/28-30 |
| JA45600-11 | 04/29/10 | 14:30 | CR | 05/01/10 | AQ | Trip Blank Soil | TRIP BLANK |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/0-2 | | |
| **Lab Sample ID:** | JA45600-1 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 88.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99623.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 2.8 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.3 | 0.43 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.3 | 0.28 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.3 | 0.32 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.3 | 0.19 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.3 | 0.51 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.5 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.3 | 0.38 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.3 | 0.70 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.3 | 0.43 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.3 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.3 | 0.40 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.3 | 0.21 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.3 | 0.19 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.68 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.3 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.17 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.3 | 0.34 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.3 | 0.35 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.3 | 0.42 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.3 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.3 | 0.17 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.43 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.3 | 0.83 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.3 | 0.30 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.3 | 0.57 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.3 | 0.16 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.3 | 0.17 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.3 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 160 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | 0.66 | 1.3 | 0.47 | ug/kg | J |
| 76-13-1 | Freon 113 | ND | 6.3 | 0.71 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/0-2 | | |
| **Lab Sample ID:** | JA45600-1 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 88.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.3 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.3 | 0.65 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.3 | 1.0 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.3 | 0.82 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.36 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.3 | 1.0 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.3 | 0.28 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.3 | 0.13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.3 | 0.37 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.3 | 0.18 | ug/kg | |
| 108-88-3 | Toluene | 1.7 | 1.3 | 0.37 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.3 | 2.0 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.3 | 0.43 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.3 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.3 | 0.23 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.3 | 0.66 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.3 | 0.29 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.3 | 0.22 | ug/kg | |
| | m,p-Xylene | 2.0 | 2.5 | 0.59 | ug/kg | J |
| 95-47-6 | o-Xylene | 0.59 | 1.3 | 0.59 | ug/kg | J |
| 1330-20-7 | Xylene (total) | 2.6 | 2.5 | 0.59 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 116% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 121% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 95% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/0-2 | | |
| **Lab Sample ID:** | JA45600-1 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 88.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2M29045.D | 1 | 05/13/10 | OYA | 05/12/10 | OP43559 | E2M1232 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.0 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 160 | 33 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 160 | 32 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 160 | 52 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 160 | 54 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 650 | 40 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 650 | 40 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 65 | 37 | ug/kg | |
| | 3&4-Methylphenol | ND | 65 | 41 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 160 | 34 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 320 | 55 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 320 | 55 | ug/kg | |
| 108-95-2 | Phenol | ND | 65 | 34 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 160 | 33 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 160 | 38 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 160 | 30 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 32 | 9.4 | ug/kg | |
| 208-96-8 | Acenaphthylene | 43.4 | 32 | 10 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 160 | 5.7 | ug/kg | |
| 120-12-7 | Anthracene | 51.8 | 32 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 160 | 6.4 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 215 | 32 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 230 | 32 | 9.9 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 310 | 32 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | 235 | 32 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | 117 | 32 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 65 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 65 | 19 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 65 | 3.8 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 160 | 7.5 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 65 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 160 | 10 | ug/kg | |
| 86-74-8 | Carbazole | 17.8 | 65 | 15 | ug/kg | J |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/0-2 | | |
| **Lab Sample ID:** | JA45600-1 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 88.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 65 | 10 | ug/kg | |
| 218-01-9 | Chrysene | 249 | 32 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 65 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 65 | 9.8 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 65 | 9.6 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 65 | 9.8 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 65 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 65 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 160 | 8.2 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 126 | 32 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 65 | 9.6 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 65 | 7.2 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 65 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 65 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 65 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 47.0 | 65 | 29 | ug/kg | J |
| 206-44-0 | Fluoranthene | 296 | 32 | 14 | ug/kg | |
| 86-73-7 | Fluorene | ND | 32 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 65 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 32 | 9.0 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 650 | 33 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 160 | 9.0 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 189 | 32 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 65 | 8.7 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 65 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 160 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | 59.1 | 32 | 8.8 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 65 | 9.4 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 65 | 7.9 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 160 | 19 | ug/kg | |
| 85-01-8 | Phenanthrene | 96.6 | 32 | 15 | ug/kg | |
| 129-00-0 | Pyrene | 260 | 32 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 160 | 9.9 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 83% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 63% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/0-2 | | |
| **Lab Sample ID:** | JA45600-1 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 88.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 84% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 77% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 71% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 67% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/0-2 | | |
| **Lab Sample ID:** | JA45600-1 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 88.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46127.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43420 | G2G1767 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.59 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.3 | 0.41 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.64 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.36 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.41 | ug/kg | |
| 5103-71-9 | alpha-Chlordane [a] | 2.1 | 1.3 | 0.45 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | 1.9 | 1.3 | 0.52 | ug/kg | |
| 60-57-1 | Dieldrin | 2.3 | 1.3 | 0.45 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.3 | 0.57 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.3 | 0.46 | ug/kg | |
| 50-29-3 | 4,4'-DDT | 10.8 | 1.3 | 0.56 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.46 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.51 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.62 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.45 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.51 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.60 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.51 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.59 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.47 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 17 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 77% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 65% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 50% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 67% | | 22-156% |

(a) Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/0-2 | | |
| **Lab Sample ID:** | JA45600-1 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 88.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94959.D | 1 | 05/05/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 33 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 33 | 22 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 33 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 33 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 33 | 6.6 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 33 | 8.4 | ug/kg | |
| 11096-82-5 | Aroclor 1260 [a] | ND | 33 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 33 | 7.5 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 33 | 6.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 92% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 96% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 67% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 83% | | 32-154% |

(a) Pattern present in sample, but below RDL.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/0-2 | | |
| **Lab Sample ID:** | JA45600-1 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 88.2 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 6730 | 22 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.2 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | 5.6 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 72.3 | 22 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.39 | 0.22 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.56 | 0.56 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 43200 | 560 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 13.8 | 1.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | < 5.6 | 5.6 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 43.8 | 2.8 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 13800 | 11 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 213 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 22700 | 560 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 240 | 1.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | 0.25 | 0.035 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 19.8 | 4.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | < 1100 | 1100 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.2 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.56 | 0.56 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1100 | 1100 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.1 | 1.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 26.9 | 5.6 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 134 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Prep QC Batch: MP52780
(4) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/25-27 | | |
| **Lab Sample ID:** | JA45600-2 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 78.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99615.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 14 | 3.2 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.4 | 0.48 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 7.1 | 0.31 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 7.1 | 0.36 | ug/kg | |
| 75-25-2 | Bromoform | ND | 7.1 | 0.21 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 7.1 | 0.57 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 14 | 2.8 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 7.1 | 0.43 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 7.1 | 0.79 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 7.1 | 0.48 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 7.1 | 1.4 | ug/kg | |
| 67-66-3 | Chloroform | ND | 7.1 | 0.45 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 7.1 | 0.23 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 7.1 | 0.21 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 14 | 0.77 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 7.1 | 0.16 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.4 | 0.19 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 7.1 | 0.38 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 7.1 | 0.39 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 7.1 | 0.48 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 7.1 | 1.3 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 7.1 | 0.20 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.4 | 0.49 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 7.1 | 0.94 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 7.1 | 0.34 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 7.1 | 0.64 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 7.1 | 0.18 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 7.1 | 0.19 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 7.1 | 0.14 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 180 | 120 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.4 | 0.53 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 7.1 | 0.80 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/25-27 | | |
| **Lab Sample ID:** | JA45600-2 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 78.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 7.1 | 1.4 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 7.1 | 0.74 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 7.1 | 1.2 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 7.1 | 0.93 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.4 | 0.40 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 7.1 | 1.2 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 7.1 | 0.32 | ug/kg | |
| 100-42-5 | Styrene | ND | 7.1 | 0.15 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 7.1 | 0.42 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 7.1 | 0.21 | ug/kg | |
| 108-88-3 | Toluene | 0.84 | 1.4 | 0.41 | ug/kg | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 7.1 | 2.3 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 7.1 | 0.49 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 7.1 | 0.18 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 7.1 | 0.26 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 7.1 | 0.75 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 7.1 | 0.32 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 7.1 | 0.25 | ug/kg | |
| | m,p-Xylene | 0.81 | 2.8 | 0.67 | ug/kg | J |
| 95-47-6 | o-Xylene | ND | 1.4 | 0.67 | ug/kg | |
| 1330-20-7 | Xylene (total) | 0.81 | 2.8 | 0.67 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 109% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 105% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 94% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/25-27 | | |
| **Lab Sample ID:** | JA45600-2 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 78.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2M29255.D | 1 | 05/24/10 | OYA | 05/12/10 | OP43559 | E2M1242 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.0 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 180 | 37 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 180 | 36 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 180 | 59 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 180 | 61 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 730 | 45 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 730 | 45 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 73 | 42 | ug/kg | |
| | 3&4-Methylphenol | ND | 73 | 46 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 180 | 39 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 360 | 62 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 360 | 62 | ug/kg | |
| 108-95-2 | Phenol | ND | 73 | 38 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 180 | 38 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 180 | 42 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 180 | 34 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 36 | 11 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 36 | 12 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 180 | 6.4 | ug/kg | |
| 120-12-7 | Anthracene | 35.1 | 36 | 13 | ug/kg | J |
| 1912-24-9 | Atrazine | ND | 180 | 7.2 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 36 | 12 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 36 | 11 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 36 | 12 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 36 | 14 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 36 | 14 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 73 | 13 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 73 | 21 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 73 | 4.2 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 180 | 8.4 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 73 | 11 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 180 | 12 | ug/kg | |
| 86-74-8 | Carbazole | 22.8 | 73 | 17 | ug/kg | J |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/25-27 | | |
| **Lab Sample ID:** | JA45600-2 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 78.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 73 | 11 | ug/kg | |
| 218-01-9 | Chrysene | ND | 36 | 12 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 73 | 15 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 73 | 11 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 73 | 11 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 73 | 11 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 73 | 16 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 73 | 14 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 180 | 9.3 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 36 | 12 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 73 | 11 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 73 | 8.1 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 73 | 18 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 73 | 12 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 73 | 13 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 73 | 32 | ug/kg | |
| 206-44-0 | Fluoranthene | 32.0 | 36 | 16 | ug/kg | J |
| 86-73-7 | Fluorene | ND | 36 | 12 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 73 | 12 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 36 | 10 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 730 | 37 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 180 | 10 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 36 | 13 | ug/kg | |
| 78-59-1 | Isophorone | ND | 73 | 9.8 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 73 | 20 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 180 | 16 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 180 | 15 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 180 | 14 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 36 | 10 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 73 | 11 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 73 | 8.9 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 180 | 22 | ug/kg | |
| 85-01-8 | Phenanthrene | 30.3 | 36 | 17 | ug/kg | J |
| 129-00-0 | Pyrene | 19.4 | 36 | 14 | ug/kg | J |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 180 | 11 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 76% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 62% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/25-27 | | |
| **Lab Sample ID:** | JA45600-2 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 78.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 98% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 75% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 75% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 84% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/25-27 | | |
| **Lab Sample ID:** | JA45600-2 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 78.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46128.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43420 | G2G1767 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.0 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.5 | 0.67 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.5 | 0.46 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.5 | 0.73 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.5 | 0.41 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.5 | 0.46 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.5 | 0.51 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.5 | 0.59 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.5 | 0.51 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.5 | 0.64 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.5 | 0.52 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.5 | 0.63 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.5 | 0.52 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.5 | 0.57 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.5 | 0.70 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.5 | 0.51 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.5 | 0.57 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.5 | 0.68 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.5 | 0.58 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.5 | 0.67 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.5 | 0.53 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 19 | 18 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 53% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 47% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 28% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 46% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/25-27 | | |
| **Lab Sample ID:** | JA45600-2 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 78.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94962.D | 1 | 05/05/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.0 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 38 | 13 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 38 | 25 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 38 | 12 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 38 | 13 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 38 | 7.5 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 38 | 9.5 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 38 | 15 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 38 | 8.5 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 38 | 7.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 64% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 66% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-7/MW-4/25-27 | | |
| **Lab Sample ID:** | JA45600-2 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 78.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 24700 | 20 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Antimony | < 2.0 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Arsenic | 7.0 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Barium | 225 | 20 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Beryllium | 1.8 | 0.20 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cadmium | < 0.49 | 0.49 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Calcium | 7350 | 490 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Chromium | 41.1 | 0.98 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cobalt | 27.1 | 4.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Copper | 39.9 | 2.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Iron | 36700 | 9.8 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Lead | 24.7 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Magnesium | 8960 | 490 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Manganese | 1870 | 4.4 | mg/kg | 3 | 05/21/10 | 05/22/10 | ND | SW846 6010B [3] | SW846 3050B [4] |
| Mercury | < 0.038 | 0.038 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [5] |
| Nickel | 54.9 | 3.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Potassium | 4020 | 980 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Selenium | < 2.0 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Silver | < 0.49 | 0.49 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Sodium | < 980 | 980 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Thallium [a] | < 2.9 | 2.9 | mg/kg | 3 | 05/21/10 | 05/22/10 | ND | SW846 6010B [3] | SW846 3050B [4] |
| Vanadium | 41.8 | 4.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Zinc | 91.8 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Instrument QC Batch: MA24336
(4) Prep QC Batch: MP52780
(5) Prep QC Batch: MP52794

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/0-2 | | |
| **Lab Sample ID:** | JA45600-3 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 81.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99616.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 14 | 3.0 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.4 | 0.46 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.8 | 0.30 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.8 | 0.35 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.8 | 0.21 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.8 | 0.55 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 14 | 2.7 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.8 | 0.42 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.8 | 0.76 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.8 | 0.46 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.8 | 1.4 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.8 | 0.43 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.8 | 0.22 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.8 | 0.21 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 14 | 0.74 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.8 | 0.15 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.4 | 0.19 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.8 | 0.37 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.8 | 0.37 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.8 | 0.46 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.8 | 1.3 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.8 | 0.19 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.4 | 0.47 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.8 | 0.90 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.8 | 0.33 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.8 | 0.61 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.8 | 0.18 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.8 | 0.18 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.8 | 0.13 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 170 | 120 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.4 | 0.51 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.8 | 0.77 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/0-2 | | |
| **Lab Sample ID:** | JA45600-3 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 81.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.8 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.8 | 0.71 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.8 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.8 | 0.89 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.4 | 0.38 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.8 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.8 | 0.30 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.8 | 0.15 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.8 | 0.40 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.8 | 0.20 | ug/kg | |
| 108-88-3 | Toluene | ND | 1.4 | 0.40 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.8 | 2.2 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.8 | 0.47 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.8 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.8 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.8 | 0.72 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.8 | 0.31 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.8 | 0.24 | ug/kg | |
| | m,p-Xylene | 1.0 | 2.7 | 0.64 | ug/kg | J |
| 95-47-6 | o-Xylene | ND | 1.4 | 0.64 | ug/kg | |
| 1330-20-7 | Xylene (total) | 1.5 | 2.7 | 0.64 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 118% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 100% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 93% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/0-2 | | |
| **Lab Sample ID:** | JA45600-3 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 81.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2M29256.D | 1 | 05/24/10 | OYA | 05/12/10 | OP43559 | E2M1242 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.0 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 180 | 35 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 180 | 35 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 180 | 56 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 180 | 59 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 700 | 43 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 700 | 43 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 70 | 40 | ug/kg | |
| | 3&4-Methylphenol | ND | 70 | 45 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 180 | 37 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 350 | 59 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 350 | 60 | ug/kg | |
| 108-95-2 | Phenol | ND | 70 | 37 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 180 | 36 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 180 | 41 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 180 | 33 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 35 | 10 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 35 | 11 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 180 | 6.2 | ug/kg | |
| 120-12-7 | Anthracene | 22.4 | 35 | 12 | ug/kg | J |
| 1912-24-9 | Atrazine | ND | 180 | 6.9 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 15.7 | 35 | 11 | ug/kg | J |
| 50-32-8 | Benzo(a)pyrene | ND | 35 | 11 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 35 | 12 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 35 | 13 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 35 | 13 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 70 | 13 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 70 | 20 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 70 | 4.1 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 180 | 8.1 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 70 | 11 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 180 | 11 | ug/kg | |
| 86-74-8 | Carbazole | ND | 70 | 16 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/0-2 | | |
| **Lab Sample ID:** | JA45600-3 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 81.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 70 | 11 | ug/kg | |
| 218-01-9 | Chrysene | 21.0 | 35 | 12 | ug/kg | J |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 70 | 14 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 70 | 11 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 70 | 10 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 70 | 11 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 70 | 15 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 70 | 13 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 180 | 8.9 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 35 | 12 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 70 | 10 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 70 | 7.8 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 70 | 17 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 70 | 12 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 70 | 12 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | 70 | 31 | ug/kg | |
| 206-44-0 | Fluoranthene | 38.8 | 35 | 15 | ug/kg | |
| 86-73-7 | Fluorene | ND | 35 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 70 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 35 | 9.7 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 700 | 36 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 180 | 9.7 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 35 | 12 | ug/kg | |
| 78-59-1 | Isophorone | ND | 70 | 9.4 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 70 | 20 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 180 | 15 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 180 | 14 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 180 | 14 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 35 | 9.6 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 70 | 10 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 70 | 8.6 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 180 | 21 | ug/kg | |
| 85-01-8 | Phenanthrene | 20.1 | 35 | 16 | ug/kg | J |
| 129-00-0 | Pyrene | 31.4 | 35 | 13 | ug/kg | J |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 180 | 11 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 64% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 50% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/0-2 | | |
| **Lab Sample ID:** | JA45600-3 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 81.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 79% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 64% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 61% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 64% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/0-2 | | |
| **Lab Sample ID:** | JA45600-3 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 81.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46129.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43420 | G2G1767 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.4 | 0.64 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.4 | 0.44 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.4 | 0.69 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.4 | 0.39 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.4 | 0.44 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.4 | 0.48 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.4 | 0.56 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.4 | 0.48 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.4 | 0.61 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.4 | 0.49 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.4 | 0.60 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.4 | 0.49 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.4 | 0.54 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.4 | 0.67 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.4 | 0.49 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.4 | 0.54 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.4 | 0.64 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.4 | 0.55 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.4 | 0.64 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.4 | 0.51 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 18 | 17 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 39% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 35% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 36% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 51% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/0-2 | | |
| **Lab Sample ID:** | JA45600-3 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 81.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94963.D | 1 | 05/05/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 36 | 13 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 36 | 24 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 36 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 36 | 13 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 36 | 7.1 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 36 | 9.0 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 36 | 14 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 36 | 8.1 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 36 | 7.2 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 59% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 59% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 74% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 74% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/0-2 | | |
| **Lab Sample ID:** | JA45600-3 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 81.5 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 13900 | 25 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Antimony | < 2.5 | 2.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Arsenic | 3.1 | 2.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Barium | 49.3 | 25 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Beryllium | 0.55 | 0.25 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cadmium | < 0.63 | 0.63 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Calcium | 1140 | 630 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Chromium | 24.6 | 1.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Cobalt | 7.0 | 6.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Copper | 13.6 | 3.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Iron | 17100 | 13 | mg/kg | 1 | 05/21/10 | 05/24/10 | GT | SW846 6010B [3] | SW846 3050B [4] |
| Lead | 15.1 | 2.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Magnesium | 2710 | 630 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Manganese | 295 | 1.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Mercury | 0.065 | 0.037 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [5] |
| Nickel | 18.9 | 5.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Potassium | < 1300 | 1300 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Selenium | < 2.5 | 2.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Silver | < 0.63 | 0.63 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Sodium | < 1300 | 1300 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Thallium | < 1.3 | 1.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Vanadium | 26.9 | 6.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |
| Zinc | 166 | 2.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [4] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Instrument QC Batch: MA24340
(4) Prep QC Batch: MP52780
(5) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/22-24 | | |
| **Lab Sample ID:** | JA45600-4 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 81.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99625.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 14 | 3.0 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.4 | 0.46 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.8 | 0.30 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.8 | 0.35 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.8 | 0.21 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.8 | 0.55 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 14 | 2.7 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.8 | 0.41 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.8 | 0.75 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.8 | 0.46 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.8 | 1.4 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.8 | 0.43 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.8 | 0.22 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.8 | 0.21 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 14 | 0.73 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.8 | 0.15 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.4 | 0.19 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.8 | 0.37 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.8 | 0.37 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.8 | 0.46 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.8 | 1.3 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.8 | 0.19 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.4 | 0.47 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.8 | 0.90 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.8 | 0.32 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.8 | 0.61 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.8 | 0.18 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.8 | 0.18 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.8 | 0.13 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 170 | 120 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.4 | 0.50 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.8 | 0.76 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/22-24 | | |
| **Lab Sample ID:** | JA45600-4 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 81.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.8 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.8 | 0.70 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.8 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.8 | 0.89 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.4 | 0.38 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.8 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.8 | 0.30 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.8 | 0.15 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.8 | 0.40 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.8 | 0.20 | ug/kg | |
| 108-88-3 | Toluene | 1.2 | 1.4 | 0.40 | ug/kg | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.8 | 2.2 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.8 | 0.47 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.8 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.8 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.8 | 0.71 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.8 | 0.31 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.8 | 0.24 | ug/kg | |
| | m,p-Xylene | 1.2 | 2.7 | 0.64 | ug/kg | J |
| 95-47-6 | o-Xylene | ND | 1.4 | 0.64 | ug/kg | |
| 1330-20-7 | Xylene (total) | 1.5 | 2.7 | 0.64 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 123% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 125% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 96% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | | 62-138% |

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/22-24 | | |
| **Lab Sample ID:** | JA45600-4 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 81.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2M29257.D | 1 | 05/24/10 | OYA | 05/12/10 | OP43559 | E2M1242 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.1 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 170 | 35 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 170 | 35 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 170 | 56 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 170 | 59 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 700 | 42 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 700 | 42 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 70 | 40 | ug/kg | |
| | 3&4-Methylphenol | ND | 70 | 44 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 170 | 37 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 350 | 59 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 350 | 60 | ug/kg | |
| 108-95-2 | Phenol | ND | 70 | 37 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 170 | 36 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 170 | 40 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 170 | 33 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 35 | 10 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 35 | 11 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 170 | 6.1 | ug/kg | |
| 120-12-7 | Anthracene | ND | 35 | 12 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 170 | 6.9 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 35 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 35 | 11 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 35 | 12 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 35 | 13 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 35 | 13 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 70 | 13 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 70 | 20 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 70 | 4.0 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 170 | 8.0 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 70 | 11 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 170 | 11 | ug/kg | |
| 86-74-8 | Carbazole | ND | 70 | 16 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/22-24 | | |
| **Lab Sample ID:** | JA45600-4 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 81.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 70 | 11 | ug/kg | |
| 218-01-9 | Chrysene | ND | 35 | 12 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 70 | 14 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 70 | 10 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 70 | 10 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 70 | 10 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 70 | 15 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 70 | 13 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 170 | 8.8 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 35 | 12 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 70 | 10 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 70 | 7.7 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 70 | 17 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 70 | 12 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 70 | 12 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 70 | 31 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 35 | 15 | ug/kg | |
| 86-73-7 | Fluorene | ND | 35 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 70 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 35 | 9.7 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 700 | 36 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 170 | 9.7 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 35 | 12 | ug/kg | |
| 78-59-1 | Isophorone | ND | 70 | 9.4 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 70 | 19 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 170 | 15 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 170 | 14 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 170 | 14 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 35 | 9.5 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 70 | 10 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 70 | 8.5 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 170 | 21 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 35 | 16 | ug/kg | |
| 129-00-0 | Pyrene | ND | 35 | 13 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 170 | 11 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 79% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 66% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/22-24 | | |
| **Lab Sample ID:** | JA45600-4 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 81.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 101% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 77% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 76% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 85% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/22-24 | | |
| **Lab Sample ID:** | JA45600-4 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 81.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46133.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43420 | G2G1767 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.4 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.4 | 0.63 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.4 | 0.43 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.4 | 0.68 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.4 | 0.38 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.4 | 0.43 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.4 | 0.47 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.4 | 0.55 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.4 | 0.47 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.4 | 0.60 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.4 | 0.49 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.4 | 0.59 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.4 | 0.49 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.4 | 0.54 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.4 | 0.66 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.4 | 0.48 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.4 | 0.54 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.4 | 0.63 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.4 | 0.54 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.4 | 0.63 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.4 | 0.50 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 18 | 16 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 53% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 38% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 71% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/22-24 | | |
| **Lab Sample ID:** | JA45600-4 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 81.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94964.D | 1 | 05/05/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.4 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 35 | 13 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 35 | 23 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 35 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 35 | 13 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 35 | 7.0 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 35 | 8.9 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 35 | 14 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 35 | 7.9 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 35 | 7.1 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 69% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 69% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 80% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 83% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-11/22-24 | | |
| **Lab Sample ID:** | JA45600-4 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 81.8 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 6410 | 24 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.4 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | < 2.4 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 47.8 | 24 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.37 | 0.24 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.60 | 0.60 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | < 600 | 600 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 19.8 | 1.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 6.2 | 6.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 10.2 | 3.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 16900 | 12 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 2.4 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 1780 | 600 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 365 | 1.8 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | < 0.038 | 0.038 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 24.6 | 4.8 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | 1680 | 1200 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.4 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.60 | 0.60 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1200 | 1200 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.2 | 1.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 20.3 | 6.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 21.8 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Prep QC Batch: MP52780
(4) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/0-2 | | |
| **Lab Sample ID:** | JA45600-5 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 79.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99618.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 14 | 3.1 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.4 | 0.48 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 7.0 | 0.31 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 7.0 | 0.36 | ug/kg | |
| 75-25-2 | Bromoform | ND | 7.0 | 0.21 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 7.0 | 0.57 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 14 | 2.8 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 7.0 | 0.43 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 7.0 | 0.78 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 7.0 | 0.47 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 7.0 | 1.4 | ug/kg | |
| 67-66-3 | Chloroform | ND | 7.0 | 0.45 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 7.0 | 0.23 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 7.0 | 0.21 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 14 | 0.76 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 7.0 | 0.15 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.4 | 0.19 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 7.0 | 0.38 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 7.0 | 0.39 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 7.0 | 0.47 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 7.0 | 1.3 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 7.0 | 0.19 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.4 | 0.48 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 7.0 | 0.93 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 | 7.0 | 0.33 | ug/kg | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 7.0 | 0.63 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 7.0 | 0.18 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 7.0 | 0.19 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 7.0 | 0.13 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 180 | 120 | ug/kg | |
| 100-41-4 | Ethylbenzene | 0.97 | 1.4 | 0.52 | ug/kg | J |
| 76-13-1 | Freon 113 | ND | 7.0 | 0.79 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/0-2 | | |
| **Lab Sample ID:** | JA45600-5 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 79.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 7.0 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 7.0 | 0.73 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 7.0 | 1.2 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 7.0 | 0.92 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.4 | 0.40 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 7.0 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 7.0 | 0.31 | ug/kg | |
| 100-42-5 | Styrene | ND | 7.0 | 0.15 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 7.0 | 0.41 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 7.0 | 0.20 | ug/kg | |
| 108-88-3 | Toluene | 1.7 | 1.4 | 0.41 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 7.0 | 2.2 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 7.0 | 0.48 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 7.0 | 0.18 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 7.0 | 0.26 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 7.0 | 0.74 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 7.0 | 0.32 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 7.0 | 0.25 | ug/kg | |
| | m,p-Xylene | ND | 2.8 | 0.66 | ug/kg | |
| 95-47-6 | o-Xylene | 0.80 | 1.4 | 0.66 | ug/kg | J |
| 1330-20-7 | Xylene (total) | 1.2 | 2.8 | 0.66 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 122% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 116% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 94% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/0-2 | | |
| **Lab Sample ID:** | JA45600-5 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 79.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73707.D | 1 | 05/25/10 | LP | 05/12/10 | OP43559 | EM2822 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.1 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 180 | 36 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 180 | 36 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 180 | 58 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 180 | 60 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 720 | 44 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 720 | 44 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 72 | 41 | ug/kg | |
| | 3&4-Methylphenol | ND | 72 | 46 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 180 | 38 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 360 | 61 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 360 | 61 | ug/kg | |
| 108-95-2 | Phenol | ND | 72 | 38 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 180 | 37 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 180 | 42 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 180 | 34 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 36 | 10 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 36 | 11 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 180 | 6.3 | ug/kg | |
| 120-12-7 | Anthracene | ND | 36 | 13 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 180 | 7.1 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 65.8 | 36 | 12 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 75.1 | 36 | 11 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 78.8 | 36 | 12 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | 66.0 | 36 | 13 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | 48.8 | 36 | 14 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 72 | 13 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 72 | 21 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 72 | 4.2 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 180 | 8.3 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 72 | 11 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 180 | 11 | ug/kg | |
| 86-74-8 | Carbazole | ND | 72 | 17 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/0-2 | | |
| **Lab Sample ID:** | JA45600-5 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 79.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 72 | 11 | ug/kg | |
| 218-01-9 | Chrysene | 79.2 | 36 | 12 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 72 | 15 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 72 | 11 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 72 | 11 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 72 | 11 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 72 | 16 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 72 | 14 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 180 | 9.1 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 20.6 | 36 | 12 | ug/kg | J |
| 132-64-9 | Dibenzofuran | ND | 72 | 11 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 72 | 8.0 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 72 | 17 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 72 | 12 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 72 | 13 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 177 | 72 | 32 | ug/kg | |
| 206-44-0 | Fluoranthene | 93.0 | 36 | 16 | ug/kg | |
| 86-73-7 | Fluorene | ND | 36 | 12 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 72 | 12 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 36 | 10 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 720 | 37 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 180 | 10 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 56.1 | 36 | 12 | ug/kg | |
| 78-59-1 | Isophorone | ND | 72 | 9.7 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 72 | 20 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 180 | 16 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 180 | 14 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 180 | 14 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 36 | 9.8 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 72 | 10 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 72 | 8.8 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 180 | 21 | ug/kg | |
| 85-01-8 | Phenanthrene | 49.2 | 36 | 16 | ug/kg | |
| 129-00-0 | Pyrene | 113 | 36 | 14 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 180 | 11 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 72% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 76% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/0-2 | | |
| **Lab Sample ID:** | JA45600-5 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 79.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 81% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 81% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 70% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 71% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/0-2 | | |
| **Lab Sample ID:** | JA45600-5 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 79.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46134.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43420 | G2G1767 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.5 | 0.66 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.5 | 0.45 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.5 | 0.71 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.5 | 0.40 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.5 | 0.45 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.5 | 0.49 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.5 | 0.57 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.5 | 0.49 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.5 | 0.63 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.5 | 0.51 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.5 | 0.61 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.5 | 0.51 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.5 | 0.56 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.5 | 0.69 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.5 | 0.50 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.5 | 0.56 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.5 | 0.66 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.5 | 0.56 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.5 | 0.65 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.5 | 0.52 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 18 | 17 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 77% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 65% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 52% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 72% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/0-2 | | |
| **Lab Sample ID:** | JA45600-5 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 79.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94965.D | 1 | 05/05/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 37 | 13 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 37 | 24 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 37 | 12 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 37 | 13 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 37 | 7.3 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 37 | 9.2 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 37 | 14 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 37 | 8.3 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 37 | 7.4 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 56% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 81% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 79% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 83% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/0-2 | | |
| **Lab Sample ID:** | JA45600-5 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 79.3 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 13500 | 20 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.0 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | 4.8 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 73.5 | 20 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.58 | 0.20 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.49 | 0.49 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 5650 | 490 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 23.4 | 0.98 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 7.5 | 4.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 40.8 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 19700 | 9.8 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 124 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 2920 | 490 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 353 | 1.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | 0.22 | 0.037 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 78.9 | 3.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | 1290 | 980 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.0 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.49 | 0.49 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 980 | 980 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 0.98 | 0.98 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 27.8 | 4.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 193 | 2.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Prep QC Batch: MP52780
(4) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/20-22 | | |
| **Lab Sample ID:** | JA45600-6 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 85.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99574.D | 1 | 05/11/10 | HJK | n/a | n/a | VY4218 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 2.9 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.3 | 0.45 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.5 | 0.29 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.5 | 0.34 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.5 | 0.20 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.5 | 0.53 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.6 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.5 | 0.40 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.5 | 0.72 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.5 | 0.44 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.5 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.5 | 0.42 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.5 | 0.22 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.5 | 0.20 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.71 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.5 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.18 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.5 | 0.35 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.5 | 0.36 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.5 | 0.44 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.5 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.5 | 0.18 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.45 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.5 | 0.86 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.5 | 0.31 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.5 | 0.59 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.5 | 0.17 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.5 | 0.17 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.5 | 0.13 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 160 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.3 | 0.48 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.5 | 0.73 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/20-22 | | |
| **Lab Sample ID:** | JA45600-6 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 85.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.5 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.5 | 0.68 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.5 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.5 | 0.85 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.37 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.5 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.5 | 0.29 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.5 | 0.14 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.5 | 0.38 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.5 | 0.19 | ug/kg | |
| 108-88-3 | Toluene | 1.4 | 1.3 | 0.38 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.5 | 0.77 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.5 | 0.45 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.5 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.5 | 0.24 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.5 | 0.69 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.5 | 0.30 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.5 | 0.23 | ug/kg | |
| | m,p-Xylene | 1.3 | 2.6 | 0.61 | ug/kg | J |
| 95-47-6 | o-Xylene | ND | 1.3 | 0.61 | ug/kg | |
| 1330-20-7 | Xylene (total) | 1.7 | 2.6 | 0.61 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 119% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 117% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 94% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/20-22 | | |
| **Lab Sample ID:** | JA45600-6 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 85.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73708.D | 1 | 05/25/10 | LP | 05/12/10 | OP43559 | EM2822 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.1 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 170 | 34 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 170 | 33 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 170 | 54 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 170 | 56 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 670 | 41 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 670 | 41 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 67 | 38 | ug/kg | |
| | 3&4-Methylphenol | ND | 67 | 43 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 170 | 35 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 330 | 57 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 330 | 57 | ug/kg | |
| 108-95-2 | Phenol | ND | 67 | 35 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 170 | 34 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 170 | 39 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 170 | 31 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 33 | 9.7 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 33 | 11 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 170 | 5.9 | ug/kg | |
| 120-12-7 | Anthracene | ND | 33 | 12 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 170 | 6.6 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 33 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 33 | 10 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 33 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 33 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 33 | 13 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 67 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 67 | 19 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 67 | 3.9 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 170 | 7.7 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 67 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 170 | 11 | ug/kg | |
| 86-74-8 | Carbazole | ND | 67 | 16 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/20-22 | | |
| **Lab Sample ID:** | JA45600-6 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 85.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 67 | 11 | ug/kg | |
| 218-01-9 | Chrysene | ND | 33 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 67 | 14 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 67 | 10 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 67 | 9.9 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 67 | 10 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 67 | 15 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 67 | 13 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 170 | 8.5 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 33 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 67 | 9.9 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 67 | 7.4 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 67 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 67 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 67 | 12 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 67 | 30 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 33 | 15 | ug/kg | |
| 86-73-7 | Fluorene | ND | 33 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 67 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 33 | 9.3 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 670 | 34 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 170 | 9.3 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 33 | 12 | ug/kg | |
| 78-59-1 | Isophorone | ND | 67 | 9.0 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 67 | 19 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 170 | 15 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 33 | 9.1 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 67 | 9.7 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 67 | 8.2 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 170 | 20 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 33 | 15 | ug/kg | |
| 129-00-0 | Pyrene | ND | 33 | 13 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 170 | 10 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 69% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 76% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/20-22 | | |
| **Lab Sample ID:** | JA45600-6 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 85.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 76% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 86% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 75% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 77% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/20-22 | | |
| **Lab Sample ID:** | JA45600-6 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 85.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46135.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43420 | G2G1767 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.4 | 0.62 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.4 | 0.42 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.4 | 0.67 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.4 | 0.38 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.4 | 0.42 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.4 | 0.46 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.4 | 0.54 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.4 | 0.46 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.4 | 0.59 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.4 | 0.48 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.4 | 0.58 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.4 | 0.48 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.4 | 0.52 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.4 | 0.64 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.4 | 0.47 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.4 | 0.52 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.4 | 0.62 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.4 | 0.53 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.4 | 0.61 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.4 | 0.49 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 17 | 16 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 67% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 41% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 71% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/20-22 | | |
| **Lab Sample ID:** | JA45600-6 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 85.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94966.D | 1 | 05/05/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 34 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 34 | 23 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 34 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 34 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 34 | 6.8 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 34 | 8.7 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 34 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 34 | 7.8 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 34 | 6.9 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 55% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 78% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 85% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 87% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-8/20-22 | | |
| **Lab Sample ID:** | JA45600-6 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 85.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 5290 | 23 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.3 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | < 2.3 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 70.3 | 23 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.32 | 0.23 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.57 | 0.57 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 647 | 570 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 12.0 | 1.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | < 5.7 | 5.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 8.8 | 2.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 9410 | 11 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 2.4 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 1460 | 570 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 446 | 1.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | < 0.039 | 0.039 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 9.9 | 4.6 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | < 1100 | 1100 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.3 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.57 | 0.57 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1100 | 1100 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.1 | 1.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 14.9 | 5.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 17.8 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Prep QC Batch: MP52780
(4) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/0-2 | | |
| **Lab Sample ID:** | JA45600-7 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 89.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99611.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 12 | 2.8 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.2 | 0.42 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.2 | 0.27 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.2 | 0.32 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.2 | 0.19 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.2 | 0.50 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | 2.4 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.2 | 0.38 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.2 | 0.69 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.2 | 0.42 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.2 | 1.2 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.2 | 0.39 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.2 | 0.20 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.2 | 0.19 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 12 | 0.67 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.2 | 0.14 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.2 | 0.17 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.2 | 0.33 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.2 | 0.34 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.2 | 0.42 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.2 | 1.2 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.2 | 0.17 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.2 | 0.43 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.2 | 0.82 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.2 | 0.30 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.2 | 0.55 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.2 | 0.16 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.2 | 0.16 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.2 | 0.12 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.2 | 0.46 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.2 | 0.69 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/0-2 | | |
| **Lab Sample ID:** | JA45600-7 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 89.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.2 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.2 | 0.64 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.2 | 1.0 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.2 | 0.81 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.2 | 0.35 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.2 | 1.0 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.2 | 0.28 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.2 | 0.13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.2 | 0.36 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.2 | 0.18 | ug/kg | |
| 108-88-3 | Toluene | ND | 1.2 | 0.36 | ug/kg | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.2 | 2.0 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.2 | 0.43 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.2 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.2 | 0.23 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.2 | 0.65 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.2 | 0.28 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.2 | 0.22 | ug/kg | |
| | m,p-Xylene | ND | 2.5 | 0.58 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.2 | 0.58 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.5 | 0.58 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 114% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 116% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 93% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/0-2 | | |
| **Lab Sample ID:** | JA45600-7 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 89.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73709.D | 1 | 05/25/10 | LP | 05/12/10 | OP43559 | EM2822 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.1 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 160 | 32 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 160 | 32 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 160 | 51 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 160 | 53 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 630 | 39 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 630 | 39 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 63 | 36 | ug/kg | |
| | 3&4-Methylphenol | ND | 63 | 40 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 160 | 34 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 320 | 54 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 320 | 54 | ug/kg | |
| 108-95-2 | Phenol | ND | 63 | 33 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 160 | 33 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 160 | 37 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 160 | 30 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 32 | 9.2 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 32 | 10 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 160 | 5.6 | ug/kg | |
| 120-12-7 | Anthracene | ND | 32 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 160 | 6.2 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 32 | 10 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 32 | 9.7 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 32 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 32 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 32 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 63 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 63 | 18 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 63 | 3.7 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 160 | 7.3 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 63 | 9.8 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 160 | 10 | ug/kg | |
| 86-74-8 | Carbazole | ND | 63 | 15 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/0-2 | | |
| **Lab Sample ID:** | JA45600-7 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 89.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 63 | 10 | ug/kg | |
| 218-01-9 | Chrysene | ND | 32 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 63 | 13 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 63 | 9.5 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 63 | 9.4 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 63 | 9.5 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 63 | 14 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 63 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 160 | 8.0 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 32 | 11 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 63 | 9.4 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 63 | 7.0 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 63 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 63 | 11 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 63 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 63 | 28 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 32 | 14 | ug/kg | |
| 86-73-7 | Fluorene | ND | 32 | 10 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 63 | 10 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 32 | 8.8 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 630 | 32 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 160 | 8.8 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 32 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 63 | 8.5 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 63 | 18 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 160 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 160 | 13 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 160 | 12 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 32 | 8.7 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 63 | 9.2 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 63 | 7.7 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 160 | 19 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 32 | 14 | ug/kg | |
| 129-00-0 | Pyrene | ND | 32 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 160 | 9.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 67% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 75% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/0-2 | | |
| **Lab Sample ID:** | JA45600-7 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 89.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 77% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 83% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 72% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 77% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/0-2 | | |
| **Lab Sample ID:** | JA45600-7 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 89.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46231.D | 1 | 05/25/10 | OPM | 05/05/10 | OP43420 | G2G1772 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.58 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.3 | 0.40 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.63 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.35 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.40 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.3 | 0.44 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.3 | 0.51 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.3 | 0.44 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.3 | 0.55 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.3 | 0.45 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.3 | 0.54 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.45 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.49 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.61 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.44 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.49 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.58 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.50 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.58 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.46 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 99% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 95% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 85% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 80% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/0-2 | | |
| **Lab Sample ID:** | JA45600-7 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 89.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94967.D | 1 | 05/06/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 32 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 32 | 21 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 32 | 10 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 32 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 32 | 6.4 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 32 | 8.1 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 32 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 32 | 7.3 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 32 | 6.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 62% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 59% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 60% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/0-2 | | |
| **Lab Sample ID:** | JA45600-7 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 89.9 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 11500 | 23 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.3 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | < 2.3 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 55.0 | 23 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.56 | 0.23 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.57 | 0.57 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 1330 | 570 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 23.6 | 1.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 9.6 | 5.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 14.3 | 2.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 17700 | 11 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 12.8 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 2840 | 570 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 469 | 1.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | < 0.034 | 0.034 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 16.8 | 4.6 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | 1380 | 1100 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.3 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.57 | 0.57 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1100 | 1100 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.1 | 1.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 29.0 | 5.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 28.9 | 2.3 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Prep QC Batch: MP52780
(4) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/28-30 | | |
| **Lab Sample ID:** | JA45600-8 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 93.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99620.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 12 | 2.7 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.2 | 0.41 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.0 | 0.26 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.0 | 0.31 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.0 | 0.18 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.0 | 0.48 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | 2.4 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.0 | 0.36 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.0 | 0.66 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.0 | 0.40 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.0 | 1.2 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.0 | 0.38 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.0 | 0.20 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.0 | 0.18 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 12 | 0.65 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.0 | 0.13 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.2 | 0.16 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.0 | 0.32 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.0 | 0.33 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.0 | 0.40 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.0 | 1.1 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.0 | 0.16 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.2 | 0.41 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.0 | 0.79 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.0 | 0.29 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.0 | 0.54 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.0 | 0.16 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.0 | 0.16 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.0 | 0.11 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 100 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.2 | 0.44 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.0 | 0.67 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/28-30 | | |
| **Lab Sample ID:** | JA45600-8 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 93.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.0 | 1.1 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.0 | 0.62 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.0 | 0.98 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.0 | 0.78 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.2 | 0.34 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.0 | 0.97 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.0 | 0.27 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.0 | 0.13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.0 | 0.35 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.0 | 0.17 | ug/kg | |
| 108-88-3 | Toluene | 0.74 | 1.2 | 0.35 | ug/kg | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.0 | 1.9 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.0 | 0.41 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.0 | 0.15 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.0 | 0.22 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.0 | 0.63 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.0 | 0.27 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.0 | 0.21 | ug/kg | |
| | m,p-Xylene | 1.3 | 2.4 | 0.56 | ug/kg | J |
| 95-47-6 | o-Xylene | ND | 1.2 | 0.56 | ug/kg | |
| 1330-20-7 | Xylene (total) | 1.6 | 2.4 | 0.56 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 118% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 118% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 93% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/28-30 | | |
| **Lab Sample ID:** | JA45600-8 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 93.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73710.D | 1 | 05/25/10 | LP | 05/12/10 | OP43559 | EM2822 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.2 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 150 | 31 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 150 | 31 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 150 | 49 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 150 | 51 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 610 | 37 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 610 | 37 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 61 | 35 | ug/kg | |
| | 3&4-Methylphenol | ND | 61 | 39 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 150 | 32 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 310 | 52 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 310 | 52 | ug/kg | |
| 108-95-2 | Phenol | ND | 61 | 32 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 150 | 31 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 150 | 35 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 150 | 29 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 31 | 8.8 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 31 | 9.8 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 150 | 5.4 | ug/kg | |
| 120-12-7 | Anthracene | ND | 31 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 150 | 6.0 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 31 | 9.9 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 31 | 9.3 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 31 | 10 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 31 | 11 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 31 | 11 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 61 | 11 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 61 | 18 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 61 | 3.5 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 150 | 7.0 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 61 | 9.5 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 150 | 9.8 | ug/kg | |
| 86-74-8 | Carbazole | ND | 61 | 14 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/28-30 | | |
| **Lab Sample ID:** | JA45600-8 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 93.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 61 | 9.6 | ug/kg | |
| 218-01-9 | Chrysene | ND | 31 | 10 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 61 | 12 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 61 | 9.2 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 61 | 9.1 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 61 | 9.2 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 61 | 13 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 61 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 150 | 7.8 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 31 | 10 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 61 | 9.1 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 61 | 6.8 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 61 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 61 | 10 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 61 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 127 | 61 | 27 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 31 | 13 | ug/kg | |
| 86-73-7 | Fluorene | ND | 31 | 10 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 61 | 9.9 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 31 | 8.5 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 610 | 31 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 150 | 8.5 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 31 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 61 | 8.2 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 61 | 17 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 150 | 13 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 31 | 8.3 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 61 | 8.8 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 61 | 7.4 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 150 | 18 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 31 | 14 | ug/kg | |
| 129-00-0 | Pyrene | ND | 31 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 150 | 9.4 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 71% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 79% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/28-30 | | |
| **Lab Sample ID:** | JA45600-8 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 93.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 88% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 85% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 75% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 81% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/28-30 | | |
| **Lab Sample ID:** | JA45600-8 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 93.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46140.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43404 | G2G1767 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.2 | 0.56 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.2 | 0.38 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.2 | 0.61 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.2 | 0.34 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.2 | 0.39 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.2 | 0.42 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.2 | 0.49 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.2 | 0.42 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.2 | 0.53 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.2 | 0.43 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.2 | 0.52 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.2 | 0.43 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.2 | 0.48 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.2 | 0.59 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.2 | 0.43 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.2 | 0.48 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.2 | 0.56 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.2 | 0.48 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.2 | 0.56 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.2 | 0.44 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 59% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 56% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 75% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 70% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/28-30 | | |
| **Lab Sample ID:** | JA45600-8 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 93.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94956.D | 1 | 05/05/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.2 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 31 | 11 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 31 | 21 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 31 | 10 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 31 | 11 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 31 | 6.2 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 31 | 7.9 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 31 | 12 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 31 | 7.1 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 31 | 6.3 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 59% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 73% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 86% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 85% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-3/MW-3/28-30 | | |
| **Lab Sample ID:** | JA45600-8 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 93.1 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 3770 | 22 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.2 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | 2.2 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 29.4 | 22 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.30 | 0.22 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.56 | 0.56 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 1350 | 560 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 12.9 | 1.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 6.6 | 5.6 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 9.9 | 2.8 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 13700 | 11 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 3.6 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 1400 | 560 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 228 | 1.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | < 0.032 | 0.032 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 10.6 | 4.5 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | < 1100 | 1100 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.2 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.56 | 0.56 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1100 | 1100 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.1 | 1.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 15.0 | 5.6 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 20.4 | 2.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Prep QC Batch: MP52780
(4) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/0-2 | | |
| **Lab Sample ID:** | JA45600-9 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 83.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99621.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 13 | 3.0 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.3 | 0.45 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.6 | 0.29 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.6 | 0.34 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.6 | 0.20 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.6 | 0.54 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | 2.6 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.6 | 0.40 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.6 | 0.74 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.6 | 0.45 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.6 | 1.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.6 | 0.42 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.6 | 0.22 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.6 | 0.20 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 13 | 0.72 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.6 | 0.15 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.3 | 0.18 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.6 | 0.36 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.6 | 0.37 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.6 | 0.45 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.6 | 1.3 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.6 | 0.18 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.3 | 0.46 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.6 | 0.88 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.36 | 6.6 | 0.32 | ug/kg | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.6 | 0.60 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.6 | 0.17 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.6 | 0.18 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.6 | 0.13 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 170 | 110 | ug/kg | |
| 100-41-4 | Ethylbenzene | 0.92 | 1.3 | 0.49 | ug/kg | J |
| 76-13-1 | Freon 113 | ND | 6.6 | 0.75 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/0-2 | | |
| **Lab Sample ID:** | JA45600-9 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 83.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.6 | 1.3 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.6 | 0.69 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.6 | 1.1 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.6 | 0.87 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.3 | 0.37 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.6 | 1.1 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.6 | 0.30 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.6 | 0.14 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.6 | 0.39 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.6 | 0.19 | ug/kg | |
| 108-88-3 | Toluene | 1.1 | 1.3 | 0.39 | ug/kg | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.6 | 2.1 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.6 | 0.46 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.6 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.6 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.6 | 0.70 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.6 | 0.30 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.6 | 0.24 | ug/kg | |
| | m,p-Xylene | 3.5 | 2.7 | 0.62 | ug/kg | |
| 95-47-6 | o-Xylene | 0.97 | 1.3 | 0.62 | ug/kg | J |
| 1330-20-7 | Xylene (total) | 4.5 | 2.7 | 0.62 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 127% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 123% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 96% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/0-2 | | |
| **Lab Sample ID:** | JA45600-9 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 83.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73711.D | 1 | 05/25/10 | LP | 05/12/10 | OP43559 | EM2822 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.3 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 170 | 34 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 170 | 34 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 170 | 54 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 170 | 57 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 680 | 41 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 680 | 41 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 68 | 39 | ug/kg | |
| | 3&4-Methylphenol | ND | 68 | 43 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 170 | 36 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 340 | 57 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 340 | 58 | ug/kg | |
| 108-95-2 | Phenol | ND | 68 | 36 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 170 | 35 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 170 | 39 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 170 | 32 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 34 | 9.8 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 34 | 11 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 170 | 6.0 | ug/kg | |
| 120-12-7 | Anthracene | ND | 34 | 12 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 170 | 6.7 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 34 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 34 | 10 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 34 | 11 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 34 | 13 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 34 | 13 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 68 | 12 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 68 | 20 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 68 | 3.9 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 170 | 7.8 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 68 | 10 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 170 | 11 | ug/kg | |
| 86-74-8 | Carbazole | ND | 68 | 16 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/0-2 | | |
| **Lab Sample ID:** | JA45600-9 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 83.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 68 | 11 | ug/kg | |
| 218-01-9 | Chrysene | ND | 34 | 11 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 68 | 14 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 68 | 10 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 68 | 10 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 68 | 10 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 68 | 15 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 68 | 13 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 170 | 8.6 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 34 | 12 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 68 | 10 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 68 | 7.5 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 68 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 68 | 12 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 68 | 12 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 68 | 30 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 34 | 15 | ug/kg | |
| 86-73-7 | Fluorene | ND | 34 | 11 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 68 | 11 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 34 | 9.4 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 680 | 35 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 170 | 9.4 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 34 | 12 | ug/kg | |
| 78-59-1 | Isophorone | ND | 68 | 9.1 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 68 | 19 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 170 | 15 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 170 | 14 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 170 | 13 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 34 | 9.2 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 68 | 9.8 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 68 | 8.3 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 170 | 20 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 34 | 15 | ug/kg | |
| 129-00-0 | Pyrene | ND | 34 | 13 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 170 | 10 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 71% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 80% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/0-2 | | |
| **Lab Sample ID:** | JA45600-9 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 83.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 86% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 89% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 79% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 84% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/0-2 | | |
| **Lab Sample ID:** | JA45600-9 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 83.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2G46141.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43404 | G2G1767 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.3 g | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.4 | 0.62 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.4 | 0.43 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.4 | 0.67 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.4 | 0.38 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.4 | 0.43 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.4 | 0.46 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.4 | 0.54 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.4 | 0.46 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.4 | 0.59 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.4 | 0.48 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.4 | 0.58 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.4 | 0.48 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.4 | 0.53 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.4 | 0.65 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.4 | 0.47 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.4 | 0.53 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.4 | 0.62 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.4 | 0.53 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.4 | 0.62 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.4 | 0.49 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 17 | 16 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 59% | | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 56% | | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 83% | | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 77% | | 22-156% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/0-2 | | |
| **Lab Sample ID:** | JA45600-9 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 83.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | XX94957.D | 1 | 05/05/10 | PA | 05/05/10 | OP43422 | GXX3761 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.3 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 35 | 12 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 35 | 23 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 35 | 11 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 35 | 12 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 35 | 6.9 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 35 | 8.7 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 35 | 13 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 35 | 7.8 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 35 | 7.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 70% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 70% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 91% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 88% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/0-2 | | |
| **Lab Sample ID:** | JA45600-9 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 83.7 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 17100 | 24 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.4 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | 4.1 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 67.7 | 24 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.63 | 0.24 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.59 | 0.59 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 1170 | 590 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 25.2 | 1.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 8.1 | 5.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 11.1 | 3.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 22000 | 12 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 27.2 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 2810 | 590 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 386 | 1.8 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | 0.045 | 0.037 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 15.6 | 4.7 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | < 1200 | 1200 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.4 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.59 | 0.59 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1200 | 1200 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.2 | 1.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 31.3 | 5.9 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 41.9 | 2.4 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Prep QC Batch: MP52780
(4) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/28-30 | | |
| **Lab Sample ID:** | JA45600-10 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 93.0 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | Y99622.D | 1 | 05/12/10 | HJK | n/a | n/a | VY4220 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.5 g |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 12 | 2.7 | ug/kg | |
| 71-43-2 | Benzene | ND | 1.2 | 0.41 | ug/kg | |
| 74-97-5 | Bromochloromethane | ND | 6.0 | 0.26 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 6.0 | 0.31 | ug/kg | |
| 75-25-2 | Bromoform | ND | 6.0 | 0.18 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 6.0 | 0.48 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | 2.4 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 6.0 | 0.36 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 6.0 | 0.66 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 6.0 | 0.41 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 6.0 | 1.2 | ug/kg | |
| 67-66-3 | Chloroform | ND | 6.0 | 0.38 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 6.0 | 0.20 | ug/kg | |
| 110-82-7 | Cyclohexane | ND | 6.0 | 0.18 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 12 | 0.65 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 6.0 | 0.13 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.2 | 0.16 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.0 | 0.32 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.0 | 0.33 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.0 | 0.40 | ug/kg | |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.0 | 1.1 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.0 | 0.16 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.2 | 0.41 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.0 | 0.79 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.0 | 0.29 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.0 | 0.54 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.0 | 0.16 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.0 | 0.16 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.0 | 0.11 | ug/kg | |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 100 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.2 | 0.44 | ug/kg | |
| 76-13-1 | Freon 113 | ND | 6.0 | 0.67 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/28-30 | | |
| **Lab Sample ID:** | JA45600-10 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | 93.0 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 6.0 | 1.2 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 6.0 | 0.62 | ug/kg | |
| 79-20-9 | Methyl Acetate | ND | 6.0 | 0.98 | ug/kg | |
| 108-87-2 | Methylcyclohexane | ND | 6.0 | 0.78 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.2 | 0.34 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 6.0 | 0.97 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 6.0 | 0.27 | ug/kg | |
| 100-42-5 | Styrene | ND | 6.0 | 0.13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.0 | 0.35 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 6.0 | 0.17 | ug/kg | |
| 108-88-3 | Toluene | 0.65 | 1.2 | 0.35 | ug/kg | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.0 | 1.9 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.0 | 0.41 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.0 | 0.15 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.0 | 0.22 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 6.0 | 0.63 | ug/kg | |
| 75-69-4 | Trichlorofluoromethane | ND | 6.0 | 0.27 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 6.0 | 0.21 | ug/kg | |
| | m,p-Xylene | 0.94 | 2.4 | 0.56 | ug/kg | J |
| 95-47-6 | o-Xylene | ND | 1.2 | 0.56 | ug/kg | |
| 1330-20-7 | Xylene (total) | 1.2 | 2.4 | 0.56 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 114% | | 67-127% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 122% | | 65-132% |
| 2037-26-5 | Toluene-D8 | 95% | | 74-129% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | | 62-138% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/28-30 | | |
| **Lab Sample ID:** | JA45600-10 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 93.0 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73712.D | 1 | 05/25/10 | LP | 05/12/10 | OP43559 | EM2822 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 35.0 g | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 150 | 31 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 150 | 31 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 150 | 49 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 150 | 52 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 610 | 37 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 610 | 37 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 61 | 35 | ug/kg | |
| | 3&4-Methylphenol | ND | 61 | 39 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 150 | 33 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 310 | 52 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 310 | 53 | ug/kg | |
| 108-95-2 | Phenol | ND | 61 | 32 | ug/kg | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 150 | 32 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 150 | 36 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 150 | 29 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 31 | 8.9 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 31 | 9.8 | ug/kg | |
| 98-86-2 | Acetophenone | ND | 150 | 5.4 | ug/kg | |
| 120-12-7 | Anthracene | ND | 31 | 11 | ug/kg | |
| 1912-24-9 | Atrazine | ND | 150 | 6.1 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 31 | 10 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 31 | 9.4 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 31 | 10 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 31 | 11 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 31 | 12 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 61 | 11 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 61 | 18 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 61 | 3.6 | ug/kg | |
| 100-52-7 | Benzaldehyde | ND | 150 | 7.1 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 61 | 9.5 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 150 | 9.8 | ug/kg | |
| 86-74-8 | Carbazole | ND | 61 | 14 | ug/kg | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/28-30 | | |
| **Lab Sample ID:** | JA45600-10 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 93.0 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 61 | 9.7 | ug/kg | |
| 218-01-9 | Chrysene | ND | 31 | 10 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 61 | 12 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 61 | 9.2 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 61 | 9.1 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 61 | 9.2 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 61 | 13 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 61 | 12 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 150 | 7.8 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 31 | 10 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 61 | 9.1 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 61 | 6.8 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 61 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 61 | 10 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 61 | 11 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 150 | 61 | 27 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 31 | 14 | ug/kg | |
| 86-73-7 | Fluorene | ND | 31 | 10 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 61 | 10 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 31 | 8.5 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 610 | 31 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 150 | 8.5 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 31 | 11 | ug/kg | |
| 78-59-1 | Isophorone | ND | 61 | 8.3 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 61 | 17 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 150 | 14 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 150 | 12 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 31 | 8.4 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 61 | 8.9 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 61 | 7.5 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 150 | 18 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 31 | 14 | ug/kg | |
| 129-00-0 | Pyrene | ND | 31 | 12 | ug/kg | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 150 | 9.4 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 66% | | 30-109% |
| 4165-62-2 | Phenol-d5 | 77% | | 28-108% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/28-30 | | |
| **Lab Sample ID:** | JA45600-10 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8270C SW846 3550B | **Percent Solids:** | 93.0 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 75% | | 28-125% |
| 4165-60-0 | Nitrobenzene-d5 | 89% | | 28-113% |
| 321-60-8 | 2-Fluorobiphenyl | 76% | | 38-107% |
| 1718-51-0 | Terphenyl-d14 | 81% | | 31-116% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/28-30 | | |
| **Lab Sample ID:** | JA45600-10 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8081A SW846 3545 | **Percent Solids:** | 93.0 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | OA62926.D | 1 | 05/25/10 | PA | 05/24/10 | OP43725 | GOA2246 |
| Run #2 | 2G46144.D | 1 | 05/21/10 | VDT | 05/05/10 | OP43404 | G2G1767 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.0 g | 10.0 ml |
| Run #2 | 17.3 g | 10.0 ml |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 1.3 | 0.57 | ug/kg | |
| 319-84-6 | alpha-BHC | ND | 1.3 | 0.39 | ug/kg | |
| 319-85-7 | beta-BHC | ND | 1.3 | 0.61 | ug/kg | |
| 319-86-8 | delta-BHC | ND | 1.3 | 0.35 | ug/kg | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 1.3 | 0.39 | ug/kg | |
| 5103-71-9 | alpha-Chlordane | ND | 1.3 | 0.43 | ug/kg | |
| 5103-74-2 | gamma-Chlordane | ND | 1.3 | 0.49 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 1.3 | 0.43 | ug/kg | |
| 72-54-8 | 4,4'-DDD | ND | 1.3 | 0.54 | ug/kg | |
| 72-55-9 | 4,4'-DDE | ND | 1.3 | 0.44 | ug/kg | |
| 50-29-3 | 4,4'-DDT | ND | 1.3 | 0.53 | ug/kg | |
| 72-20-8 | Endrin | ND | 1.3 | 0.44 | ug/kg | |
| 1031-07-8 | Endosulfan sulfate | ND | 1.3 | 0.48 | ug/kg | |
| 7421-93-4 | Endrin aldehyde | ND | 1.3 | 0.59 | ug/kg | |
| 959-98-8 | Endosulfan-I | ND | 1.3 | 0.43 | ug/kg | |
| 33213-65-9 | Endosulfan-II | ND | 1.3 | 0.48 | ug/kg | |
| 76-44-8 | Heptachlor | ND | 1.3 | 0.57 | ug/kg | |
| 1024-57-3 | Heptachlor epoxide | ND | 1.3 | 0.49 | ug/kg | |
| 72-43-5 | Methoxychlor | ND | 1.3 | 0.56 | ug/kg | |
| 53494-70-5 | Endrin ketone | ND | 1.3 | 0.45 | ug/kg | |
| 8001-35-2 | Toxaphene | ND | 16 | 15 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 76% | 16% [b] | 28-138% |
| 877-09-8 | Tetrachloro-m-xylene | 111% | 13% [b] | 28-138% |
| 2051-24-3 | Decachlorobiphenyl | 92% | 22% | 22-156% |
| 2051-24-3 | Decachlorobiphenyl | 99% | 22% | 22-156% |

(a) Re-extracted for low surrogate recovery. originally prep date was within holding time.
(b) Outside of in house control limits, refer to re-extract.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/28-30 | | |
| **Lab Sample ID:** | JA45600-10 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8082 SW846 3545 | **Percent Solids:** | 93.0 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | EF88858.D | 1 | 05/10/10 | VDT | 05/07/10 | OP43474 | GEF3934 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 17.1 g | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 31 | 11 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 31 | 21 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 31 | 10 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 31 | 11 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 31 | 6.2 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 31 | 7.9 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 31 | 12 | ug/kg | |
| 11100-14-4 | Aroclor 1268 | ND | 31 | 7.1 | ug/kg | |
| 37324-23-5 | Aroclor 1262 | ND | 31 | 6.3 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 59% | | 33-141% |
| 877-09-8 | Tetrachloro-m-xylene | 66% | | 33-141% |
| 2051-24-3 | Decachlorobiphenyl | 79% | | 32-154% |
| 2051-24-3 | Decachlorobiphenyl | 92% | | 32-154% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SB-5/MW-5/28-30 | | |
| **Lab Sample ID:** | JA45600-10 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | SO - Soil | **Date Received:** | 05/01/10 |
| | | **Percent Solids:** | 93.0 |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 4930 | 21 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Antimony | < 2.1 | 2.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Arsenic | 3.5 | 2.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Barium | 28.2 | 21 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Beryllium | 0.33 | 0.21 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cadmium | < 0.52 | 0.52 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Calcium | 1810 | 520 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Chromium | 15.9 | 1.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Cobalt | 8.4 | 5.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Copper | 12.4 | 2.6 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Iron | 26500 | 10 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Lead | 7.7 | 2.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Magnesium | 1580 | 520 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Manganese | 321 | 1.6 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Mercury | < 0.032 | 0.032 | mg/kg | 1 | 05/21/10 | 05/21/10 | JW | SW846 7471A [1] | SW846 7471A [4] |
| Nickel | 14.8 | 4.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Potassium | < 1000 | 1000 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Selenium | < 2.1 | 2.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Silver | < 0.52 | 0.52 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Sodium | < 1000 | 1000 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Thallium | < 1.0 | 1.0 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Vanadium | 19.2 | 5.2 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |
| Zinc | 28.2 | 2.1 | mg/kg | 1 | 05/21/10 | 05/22/10 | GT | SW846 6010B [2] | SW846 3050B [3] |

(1) Instrument QC Batch: MA24328
(2) Instrument QC Batch: MA24331
(3) Prep QC Batch: MP52780
(4) Prep QC Batch: MP52794

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | JA45600-11 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | AQ - Trip Blank Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2C69768.D | 1 | 05/06/10 | TLR | n/a | n/a | V2C3171 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | JA45600-11 | **Date Sampled:** | 04/29/10 |
| **Matrix:** | AQ - Trip Blank Soil | **Date Received:** | 05/01/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 110% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 111% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 103% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

SO STB

# CHAIN OF CUSTODY

PAGE 1 OF ___

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: 
Bottle Order Control #: 
Accutest Quote #: 
Accutest Job #: JA 45600

**Client / Reporting Information**

Company Name: Roux Associates
Street Address: 209 Shafter St
City / State / Zip: Islandia NY 11749
Project Contact / E-mail: Jessica Diminich jdiminich@rouxinc.com
Phone # / Fax #: 6312322600
Sampler(s) Name(s) / Phone #: Carolyn Roth 6318318539

**Project Information**

Project Name: Top 8 - Prince St.
Street: 133-42 39th Ave
City / State: Flushing NY
Project #: 
Client Purchase Order #: 
Project Manager: Jessica Diminich

Billing Information ( If different from Report to)
Company Name: 
Street Address: 
City / State / Zip: 
Attention: 

**Requested Analysis ( see TEST CODE sheet)**

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB -Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

| Accutest Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | T826OTCL11 | AB8270TCL11 | METAL | PPCB | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-7/MW-4/0-2 | | 4/29/10 | 900 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | EX 52 |
| 2 | SB-7/MW-4/25-27 | | 4/29/10 | 1000 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | ME 29 |
| 3 | SB-11/0-2 | | 4/29/10 | 1015 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | 19 N1 |
| 4 | SB-11/22-24 | | 4/29/10 | 1100 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | 409 |
| 5 | SB-8/0-2 | | 4/29/10 | 1130 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | |
| 6 | SB-8/20-22 | | 4/29/10 | 1145 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | |
| 7 | SB-3/MW-3/0-2 | | 4/29/10 | 1230 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | |
| 8 | SB-3/MW-3/28-30 | | 4/29/10 | 1330 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | |
| 9 | SB-5/MW-5/0-2 | | 4/29/10 | 1400 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | |
| 10 | SB-5/MW-5/28-30 | | 4/29/10 | 1450 | CR | SO | 3 | | | | | 3 | | | | X | X | X | X | |
| 11 | TRIP BLANK | | | | | | | | | | | | | | | | | | | |

**Turnaround Time ( Business days)**

- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days ( by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

**Data Deliverable Information**

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" ( Level 2)
- [ ] FULLT1 ( Level 3+4 )
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

**Comments / Special Instructions**

TB filled 4/27/10 @ 1800 TRS 5/1/10

Sample Custody must be documented below each time samples change possession, including courier delivery.

| Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date/Time: | Received By: |
|---|---|---|---|---|---|
| 1 | | 1 Fed X | 2 Fed X | 5/1/10 1130 | 2 |
| 3 | | 3 | 4 | | 4 |
| 5 | | 5 | | | |

Custody Seal # ___ [ ] Intact [ ] Not intact; Preserved where applicable [ ]; On Ice [x]; Cooler Temp. 3.1 °C

A

TRS

JA45600: Chain of Custody
Page 1 of 3

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** JA45600 **Client:** **Immediate Client Services Action Required:** No

**Date / Time Received:** 5/1/2010 **Delivery Method:** **Client Service Action Required at Login:** No

**Project:** **No. Coolers:** 1 **Airbill #'s:**

| Cooler Security | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| Cooler Temperature | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☑ | | ☐ |
| 2. Cooler temp verification: | Infared gun | | |
| 3. Cooler media: | Ice (bag) | | |

| Quality Control Preservatio | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☐ | ☑ |
| 2. Trip Blank listed on COC: | ☐ | | ☐ | ☑ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☐ | | ☐ | ☑ |

| Sample Integrity - Documentation | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| Sample Integrity - Condition | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Intact | | |

| Sample Integrity - Instructions | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

## Job Change Order: JA45600_5/19/2010

| | | | |
|---|---|---|---|
| **Requested Date:** | 5/19/2010 | **Received Date:** | 5/1/2010 |
| **Account Name:** | Roux Associates | **Due Date:** | 5/24/2010 |
| **Project Description:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, | **Deliverable:** | FULT1 |
| **CSR:** | MV | **TAT (Days):** | 21 |

**Sample #:**
JA45600-1 thru 10

**Change:** Change test from P8082PCB11 to XPPTCL11.
Both PEST and PCB were requested on the chain but only PCB's got logged in. Need PEST portion run and reported ASAP.

**Above Changes** MV **Date:** 5/19/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

# APPENDIX K

## Groundwater Analytical Data

# Sample Summary

Roux Associates

**Job No:** JA46440

Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY
Project No: 1633-00005Y000

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| JA46440-1 | 05/11/10 | 10:35 | JDCR | 05/12/10 | AQ | Ground Water | MW-1 |
| JA46440-1F | 05/11/10 | 10:35 | JDCR | 05/12/10 | AQ | Groundwater Filtered | MW-1 |
| JA46440-2 | 05/11/10 | 11:30 | JDCR | 05/12/10 | AQ | Ground Water | MW-2 |
| JA46440-2F | 05/11/10 | 11:30 | JDCR | 05/12/10 | AQ | Groundwater Filtered | MW-2 |
| JA46440-3 | 05/11/10 | 10:50 | JDCR | 05/12/10 | AQ | Ground Water | MW-3 |
| JA46440-3F | 05/11/10 | 10:50 | JDCR | 05/12/10 | AQ | Groundwater Filtered | MW-3 |
| JA46440-4 | 05/11/10 | 14:45 | JDCR | 05/12/10 | AQ | Ground Water | MW-4 |
| JA46440-4F | 05/11/10 | 14:45 | JDCR | 05/12/10 | AQ | Groundwater Filtered | MW-4 |
| JA46440-5 | 05/11/10 | 12:30 | JDCR | 05/12/10 | AQ | Ground Water | MW-5 |
| JA46440-5D | 05/11/10 | 12:40 | JDCR | 05/12/10 | AQ | Water Dup/MSD | MW-5MSD |
| JA46440-5DF | 05/11/10 | 12:40 | JDCR | 05/12/10 | AQ | Water Dup/MSD | MW-5MSD |
| JA46440-5F | 05/11/10 | 12:30 | JDCR | 05/12/10 | AQ | Groundwater Filtered | MW-5 |
| JA46440-5S | 05/11/10 | 12:35 | JDCR | 05/12/10 | AQ | Water Matrix Spike | MW-5MS |

# Sample Summary
(continued)

Roux Associates

**Job No:** JA46440

Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY
Project No: 1633-00005Y000

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| JA46440-5SF | 05/11/10 | 12:35 | JDCR | 05/12/10 | AQ | Water Matrix Spike | MW-5MS |
| JA46440-6 | 05/11/10 | 11:55 | JDCR | 05/12/10 | AQ | Ground Water | MW-6 |
| JA46440-6F | 05/11/10 | 11:55 | JDCR | 05/12/10 | AQ | Groundwater Filtered | MW-6 |
| JA46440-7 | 05/11/10 | 13:00 | JDCR | 05/12/10 | AQ | Ground Water | DUP-051110 |
| JA46440-7F | 05/11/10 | 13:00 | JDCR | 05/12/10 | AQ | Groundwater Filtered | DUP-051110 |
| JA46440-8 | 05/11/10 | 09:20 | JDCR | 05/12/10 | AQ | Field Blank Water | FB-051110 |
| JA46440-9 | 05/11/10 | 13:00 | JDCR | 05/12/10 | AQ | Trip Blank Water | TRIP BLANK |

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1C77814.D | 1 | 05/16/10 | MAH | n/a | n/a | V1C3398 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | 0.24 | 1.0 | 0.23 | ug/l | J |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.47 | 1.0 | 0.22 | ug/l | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | 2.8 | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 95% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 93% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 86% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 93% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73785.D | 1 | 05/27/10 | LP | 05/14/10 | OP43586 | EM2825 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 925 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.4 | 1.2 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.4 | 1.1 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.4 | 1.3 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.4 | 1.8 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 22 | 0.80 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 22 | 0.55 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.2 | 1.2 | ug/l | |
| | 3&4-Methylphenol | ND | 2.2 | 1.1 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.4 | 1.3 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 11 | 0.90 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 11 | 0.86 | ug/l | |
| 108-95-2 | Phenol | ND | 2.2 | 0.62 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.4 | 0.87 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.4 | 1.4 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.4 | 1.3 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.1 | 0.40 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.1 | 0.30 | ug/l | |
| 98-86-2 | Acetophenone | ND | 2.2 | 0.43 | ug/l | |
| 120-12-7 | Anthracene | ND | 1.1 | 0.18 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.4 | 0.42 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.4 | 0.44 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.1 | 0.13 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.1 | 0.10 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.1 | 0.27 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.1 | 0.13 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.1 | 0.41 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.2 | 0.38 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.2 | 0.27 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.1 | 0.46 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.2 | 0.45 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.4 | 0.27 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.1 | 0.18 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.2 | 0.21 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.1 | 0.12 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.2 | 0.27 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.2 | 0.33 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.2 | 0.42 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.2 | 0.38 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.2 | 0.24 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.2 | 0.35 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.4 | 0.32 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.1 | 0.17 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.4 | 0.33 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.2 | 0.21 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.2 | 0.43 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.2 | 0.18 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.2 | 0.24 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 2.2 | 0.35 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 1.1 | 0.18 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.1 | 0.29 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.1 | 0.29 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.1 | 0.14 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 22 | 0.26 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.2 | 0.23 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.1 | 0.14 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.2 | 0.27 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.1 | 0.71 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.4 | 0.25 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.4 | 0.31 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.4 | 0.19 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.1 | 0.46 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.2 | 0.27 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.2 | 0.47 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.4 | 0.23 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 1.1 | 0.23 | ug/l | |
| 129-00-0 | Pyrene | ND | 1.1 | 0.17 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.2 | 0.52 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 21% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 15% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 77% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 92% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 82% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 63% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G46050.D | 1 | 05/17/10 | TDR | 05/14/10 | OP43595 | G3G1696 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 800 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.025 | 0.0037 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.025 | 0.0027 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.025 | 0.0038 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.025 | 0.0021 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.025 | 0.0030 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.025 | 0.0027 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.025 | 0.0064 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.025 | 0.0037 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.025 | 0.0041 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.025 | 0.0038 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.025 | 0.0037 | ug/l | |
| 72-20-8 | Endrin | ND | 0.025 | 0.0046 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.025 | 0.0083 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.025 | 0.0090 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.025 | 0.0076 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.025 | 0.0045 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.025 | 0.0054 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.025 | 0.0083 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.025 | 0.0033 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.025 | 0.0077 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.31 | 0.31 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 88% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 81% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 60% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 58% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | CD88766.D | 1 | 05/17/10 | OPM | 05/14/10 | OP43596 | GCD3067 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 800 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.63 | 0.38 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.63 | 0.51 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.63 | 0.39 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.63 | 0.34 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.63 | 0.35 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.63 | 0.23 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.63 | 0.18 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.63 | 0.15 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.63 | 0.13 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 86% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 95% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 64% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 69% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 29400 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Arsenic | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Barium | 390 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium | 1.8 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium | 95900 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium | 87.8 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper | 90.3 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Iron | 53000 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Lead | 21.7 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Magnesium | 37000 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese | 4010 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury [a] | < 0.40 | 0.40 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel | 102 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium | 13300 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium [b] | < 20 | 20 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium | 218000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium | 67.8 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc | 112 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

(a) Elevated sample detection limit due to difficult sample matrix.
(b) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-1 | | |
| **Lab Sample ID:** | JA46440-1F | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Groundwater Filtered | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Dissolved Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Arsenic | < 8.0 | 8.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium | 112000 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Iron | < 100 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Magnesium | 35300 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese | 3460 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel | 11.1 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium | < 10000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium | 278000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc | < 20 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3C63509.D | 1 | 05/24/10 | NT | n/a | n/a | V3C2798 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | 0.25 | 1.0 | 0.23 | ug/l | J |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | 1.2 | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 111% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 118% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 100% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73786.D | 1 | 05/27/10 | LP | 05/14/10 | OP43586 | EM2825 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 875 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.7 | 1.2 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.7 | 1.2 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.7 | 1.4 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.7 | 1.9 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 23 | 0.84 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 23 | 0.59 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.3 | 1.3 | ug/l | |
| | 3&4-Methylphenol | ND | 2.3 | 1.2 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.7 | 1.4 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 11 | 0.95 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 11 | 0.91 | ug/l | |
| 108-95-2 | Phenol | ND | 2.3 | 0.66 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.7 | 0.92 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.7 | 1.5 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.7 | 1.4 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.1 | 0.42 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.1 | 0.31 | ug/l | |
| 98-86-2 | Acetophenone | ND | 2.3 | 0.46 | ug/l | |
| 120-12-7 | Anthracene | ND | 1.1 | 0.19 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.7 | 0.45 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.7 | 0.46 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.1 | 0.14 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.1 | 0.11 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.1 | 0.28 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.1 | 0.14 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.1 | 0.43 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.3 | 0.40 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.3 | 0.29 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.1 | 0.48 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.3 | 0.48 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.7 | 0.29 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.1 | 0.19 | ug/l | |

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.3 | 0.22 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.1 | 0.12 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.3 | 0.28 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.3 | 0.35 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.3 | 0.45 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.3 | 0.40 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.3 | 0.25 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.3 | 0.37 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.7 | 0.34 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.1 | 0.17 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.7 | 0.35 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.3 | 0.22 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.3 | 0.45 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.3 | 0.19 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.3 | 0.26 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 2.3 | 0.37 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 1.1 | 0.19 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.1 | 0.31 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.1 | 0.30 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.1 | 0.15 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 23 | 0.28 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.3 | 0.24 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.1 | 0.15 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.3 | 0.28 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.1 | 0.75 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.7 | 0.27 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.7 | 0.33 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.7 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.1 | 0.49 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.3 | 0.29 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.3 | 0.50 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.7 | 0.25 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 1.1 | 0.24 | ug/l | |
| 129-00-0 | Pyrene | ND | 1.1 | 0.18 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.3 | 0.55 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 27% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 18% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 98% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 94% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 84% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 75% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G46049.D | 1 | 05/17/10 | TDR | 05/14/10 | OP43595 | G3G1696 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 900 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.022 | 0.0033 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.022 | 0.0024 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.022 | 0.0034 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.022 | 0.0019 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.022 | 0.0027 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.022 | 0.0024 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.022 | 0.0057 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.022 | 0.0033 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.022 | 0.0036 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.022 | 0.0033 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.022 | 0.0033 | ug/l | |
| 72-20-8 | Endrin | ND | 0.022 | 0.0041 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.022 | 0.0074 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.022 | 0.0080 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.022 | 0.0067 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.022 | 0.0040 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.022 | 0.0048 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.022 | 0.0074 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.022 | 0.0029 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.022 | 0.0068 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.28 | 0.28 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 95% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 96% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 68% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 64% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | CD88767.D | 1 | 05/17/10 | OPM | 05/14/10 | OP43596 | GCD3067 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 900 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.56 | 0.33 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.56 | 0.46 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.56 | 0.34 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.56 | 0.30 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.56 | 0.31 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.56 | 0.20 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.56 | 0.16 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.56 | 0.13 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.56 | 0.11 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 135% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 128% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 83% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 84% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 9190 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Arsenic | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Barium | 216 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium | 58300 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium | 32.5 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper | 41.4 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Iron | 29300 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Lead | 41.3 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Magnesium | 9950 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese | 870 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel | 28.2 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium | 10700 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium | 37500 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc | 68.5 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-2 | | |
| **Lab Sample ID:** | JA46440-2F | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Groundwater Filtered | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Dissolved Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Arsenic | < 8.0 | 8.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Calcium | 74100 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Copper | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Iron | < 100 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Magnesium | 10100 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Manganese | 855 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [5] |
| Nickel | 11.4 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Potassium | 11200 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Sodium | 51900 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Zinc | < 20 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Prep QC Batch: MP52823
(5) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3C63510.D | 1 | 05/24/10 | NT | n/a | n/a | V3C2798 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | 0.45 | 1.0 | 0.23 | ug/l | J |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | 2.1 | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | 1.6 | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 111% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 118% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 97% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73787.D | 1 | 05/27/10 | LP | 05/14/10 | OP43586 | EM2825 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 940 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.3 | 1.1 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.3 | 1.1 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.3 | 1.3 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.3 | 1.8 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 21 | 0.78 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 21 | 0.55 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.1 | 1.2 | ug/l | |
| | 3&4-Methylphenol | ND | 2.1 | 1.1 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.3 | 1.3 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 11 | 0.88 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 11 | 0.85 | ug/l | |
| 108-95-2 | Phenol | ND | 2.1 | 0.61 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.3 | 0.86 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.3 | 1.4 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.3 | 1.3 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.1 | 0.39 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.1 | 0.29 | ug/l | |
| 98-86-2 | Acetophenone | ND | 2.1 | 0.42 | ug/l | |
| 120-12-7 | Anthracene | ND | 1.1 | 0.17 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.3 | 0.42 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.3 | 0.43 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.1 | 0.13 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.1 | 0.10 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.1 | 0.26 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.1 | 0.13 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.1 | 0.40 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.1 | 0.37 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.1 | 0.27 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.1 | 0.45 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.1 | 0.44 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.3 | 0.27 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.1 | 0.18 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.1 | 0.21 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.1 | 0.11 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.1 | 0.26 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.1 | 0.33 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.1 | 0.41 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.1 | 0.38 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.1 | 0.23 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.1 | 0.35 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.3 | 0.31 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.1 | 0.16 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.3 | 0.32 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.1 | 0.20 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.1 | 0.42 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.1 | 0.18 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.1 | 0.24 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 2.1 | 0.35 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 1.1 | 0.18 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.1 | 0.28 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.1 | 0.28 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.1 | 0.14 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 21 | 0.26 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.1 | 0.22 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.1 | 0.14 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.1 | 0.26 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.1 | 0.70 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.3 | 0.25 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.3 | 0.31 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.3 | 0.19 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.1 | 0.45 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.1 | 0.27 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.1 | 0.47 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.3 | 0.23 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 1.1 | 0.22 | ug/l | |
| 129-00-0 | Pyrene | ND | 1.1 | 0.16 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.1 | 0.51 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 23% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 16% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 89% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 96% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 84% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 70% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G46048.D | 1 | 05/17/10 | TDR | 05/14/10 | OP43595 | G3G1696 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 910 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.022 | 0.0032 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.022 | 0.0024 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.022 | 0.0033 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.022 | 0.0018 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.022 | 0.0027 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.022 | 0.0024 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.022 | 0.0057 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.022 | 0.0032 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.022 | 0.0036 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.022 | 0.0033 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.022 | 0.0032 | ug/l | |
| 72-20-8 | Endrin | ND | 0.022 | 0.0041 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.022 | 0.0073 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.022 | 0.0079 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.022 | 0.0067 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.022 | 0.0040 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.022 | 0.0048 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.022 | 0.0073 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.022 | 0.0029 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.022 | 0.0067 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.27 | 0.27 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 92% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 84% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 66% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 61% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | CD88768.D | 1 | 05/17/10 | OPM | 05/14/10 | OP43596 | GCD3067 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 910 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.55 | 0.33 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.55 | 0.45 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.55 | 0.34 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.55 | 0.30 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.55 | 0.31 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.55 | 0.20 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.55 | 0.15 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.55 | 0.13 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.55 | 0.11 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 85% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 95% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 65% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 65% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 32700 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Arsenic [a] | < 6.0 | 6.0 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Barium | 387 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium | 1.9 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium | 76400 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium | 84.5 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper | 97.6 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Iron [a] | 76600 | 200 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Lead [a] | 19.4 | 6.0 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Magnesium | 36000 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese | 2270 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel | 79.3 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium | 14000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium [a] | < 20 | 20 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium | 64900 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium | 87.7 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc | 149 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-3 | | |
| **Lab Sample ID:** | JA46440-3F | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Groundwater Filtered | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Dissolved Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Arsenic | < 8.0 | 8.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Calcium | 68800 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Copper | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Iron | 506 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Magnesium | 24400 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Manganese | 689 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [5] |
| Nickel | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Potassium | < 10000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Sodium | 73900 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Zinc | 48.4 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Prep QC Batch: MP52823
(5) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 2B70486.D | 1 | 05/25/10 | MFH | n/a | n/a | V2B3149 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 3.1 | 10 | 2.9 | ug/l | J |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.47 | 1.0 | 0.23 | ug/l | J |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | 0.85 | 1.0 | 0.27 | ug/l | J |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | 0.67 | 1.0 | 0.24 | ug/l | J |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 104% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 99% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 96% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73788.D | 1 | 05/27/10 | LP | 05/14/10 | OP43586 | EM2825 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 925 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.4 | 1.2 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.4 | 1.1 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.4 | 1.3 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.4 | 1.8 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 22 | 0.80 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 22 | 0.55 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.2 | 1.2 | ug/l | |
| | 3&4-Methylphenol | ND | 2.2 | 1.1 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.4 | 1.3 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 11 | 0.90 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 11 | 0.86 | ug/l | |
| 108-95-2 | Phenol | ND | 2.2 | 0.62 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.4 | 0.87 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.4 | 1.4 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.4 | 1.3 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.1 | 0.40 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.1 | 0.30 | ug/l | |
| 98-86-2 | Acetophenone | ND | 2.2 | 0.43 | ug/l | |
| 120-12-7 | Anthracene | ND | 1.1 | 0.18 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.4 | 0.42 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.4 | 0.44 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.1 | 0.13 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.1 | 0.10 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.1 | 0.27 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.1 | 0.13 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.1 | 0.41 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.2 | 0.38 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.2 | 0.27 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.1 | 0.46 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.2 | 0.45 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.4 | 0.27 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.1 | 0.18 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.2 | 0.21 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.1 | 0.12 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.2 | 0.27 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.2 | 0.33 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.2 | 0.42 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.2 | 0.38 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.2 | 0.24 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.2 | 0.35 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.4 | 0.32 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.1 | 0.17 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.4 | 0.33 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.2 | 0.21 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.2 | 0.43 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.2 | 0.18 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.2 | 0.24 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.6 | 2.2 | 0.35 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 1.1 | 0.18 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.1 | 0.29 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.1 | 0.29 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.1 | 0.14 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 22 | 0.26 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.2 | 0.23 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.1 | 0.14 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.2 | 0.27 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.1 | 0.71 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.4 | 0.25 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.4 | 0.31 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.4 | 0.19 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.1 | 0.46 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.2 | 0.27 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.2 | 0.47 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.4 | 0.23 | ug/l | |
| 85-01-8 | Phenanthrene | 0.50 | 1.1 | 0.23 | ug/l | J |
| 129-00-0 | Pyrene | ND | 1.1 | 0.17 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.2 | 0.52 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 23% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 16% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 89% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 88% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 79% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 56% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G46047.D | 1 | 05/17/10 | TDR | 05/14/10 | OP43595 | G3G1696 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 900 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.022 | 0.0033 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.022 | 0.0024 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.022 | 0.0034 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.022 | 0.0019 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.022 | 0.0027 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.022 | 0.0024 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.022 | 0.0057 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.022 | 0.0033 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.022 | 0.0036 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.022 | 0.0033 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.022 | 0.0033 | ug/l | |
| 72-20-8 | Endrin | ND | 0.022 | 0.0041 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.022 | 0.0074 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.022 | 0.0080 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.022 | 0.0067 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.022 | 0.0040 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.022 | 0.0048 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.022 | 0.0074 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.022 | 0.0029 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.022 | 0.0068 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.28 | 0.28 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 85% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 80% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 61% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 57% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | CD88769.D | 1 | 05/18/10 | OPM | 05/14/10 | OP43596 | GCD3067 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 900 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.56 | 0.33 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.56 | 0.46 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.56 | 0.34 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.56 | 0.30 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.56 | 0.31 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.56 | 0.20 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.56 | 0.16 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.56 | 0.13 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.56 | 0.11 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 78% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 91% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 63% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 64% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 4830 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Arsenic | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium | 40300 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium | 11.9 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper | 29.0 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Iron | 8080 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Lead | 4.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Magnesium | 16000 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese | 623 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel | 13.1 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium | < 10000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium | 29400 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc | 44.6 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-4 | | |
| **Lab Sample ID:** | JA46440-4F | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Groundwater Filtered | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Dissolved Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Arsenic | < 8.0 | 8.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Calcium | 61400 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Copper | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Iron | < 100 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Magnesium | 22700 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Manganese | 647 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [5] |
| Nickel | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Potassium | < 10000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Sodium | 48400 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Zinc | < 20 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Prep QC Batch: MP52823
(5) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3C63511.D | 1 | 05/24/10 | NT | n/a | n/a | V3C2798 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.34 | 1.0 | 0.23 | ug/l | J |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | 1.1 | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 114% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 121% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 98% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73501.D | 1 | 05/19/10 | LP | 05/14/10 | OP43586 | EM2813 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 850 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.9 | 1.3 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.9 | 1.2 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.9 | 1.4 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.9 | 1.9 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 24 | 0.87 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 24 | 0.60 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.4 | 1.3 | ug/l | |
| | 3&4-Methylphenol | ND | 2.4 | 1.2 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.9 | 1.5 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 12 | 0.97 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 12 | 0.94 | ug/l | |
| 108-95-2 | Phenol | ND | 2.4 | 0.68 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.9 | 0.95 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.9 | 1.6 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.9 | 1.4 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.2 | 0.43 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.2 | 0.32 | ug/l | |
| 98-86-2 | Acetophenone | ND | 2.4 | 0.47 | ug/l | |
| 120-12-7 | Anthracene | ND | 1.2 | 0.19 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.9 | 0.46 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.9 | 0.48 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.2 | 0.14 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.2 | 0.11 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.2 | 0.29 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.2 | 0.14 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.2 | 0.44 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.4 | 0.41 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.4 | 0.30 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.2 | 0.50 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.4 | 0.49 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.9 | 0.30 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.2 | 0.19 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.4 | 0.23 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.2 | 0.13 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.4 | 0.29 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.4 | 0.36 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.4 | 0.46 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.4 | 0.42 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.4 | 0.26 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.4 | 0.38 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.9 | 0.35 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.2 | 0.18 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.9 | 0.36 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.4 | 0.22 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.4 | 0.46 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.4 | 0.19 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.4 | 0.26 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 2.4 | 0.38 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 1.2 | 0.20 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.2 | 0.31 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.2 | 0.31 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.2 | 0.15 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 24 | 0.29 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.4 | 0.25 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.2 | 0.15 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.4 | 0.29 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.2 | 0.77 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.9 | 0.28 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.9 | 0.34 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.9 | 0.21 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.2 | 0.50 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.4 | 0.30 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.4 | 0.52 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.9 | 0.25 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 1.2 | 0.25 | ug/l | |
| 129-00-0 | Pyrene | ND | 1.2 | 0.18 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.4 | 0.57 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 32% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 19% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 95% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 83% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 83% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 62% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G46046.D | 1 | 05/17/10 | TDR | 05/14/10 | OP43595 | G3G1696 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 900 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.022 | 0.0033 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.022 | 0.0024 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.022 | 0.0034 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.022 | 0.0019 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.022 | 0.0027 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.022 | 0.0024 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.022 | 0.0057 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.022 | 0.0033 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.022 | 0.0036 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.022 | 0.0033 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.022 | 0.0033 | ug/l | |
| 72-20-8 | Endrin | ND | 0.022 | 0.0041 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.022 | 0.0074 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.022 | 0.0080 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.022 | 0.0067 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.022 | 0.0040 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.022 | 0.0048 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.022 | 0.0074 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.022 | 0.0029 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.022 | 0.0068 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.28 | 0.28 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 88% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 85% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 58% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 54% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | CD88761.D | 1 | 05/17/10 | OPM | 05/14/10 | OP43596 | GCD3067 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 900 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.56 | 0.33 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.56 | 0.46 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.56 | 0.34 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.56 | 0.30 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.56 | 0.31 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.56 | 0.20 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.56 | 0.16 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.56 | 0.13 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.56 | 0.11 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 90% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 98% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 60% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 62% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum [a] | 90800 | 400 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony [a] | < 12 | 12 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Arsenic [b] | < 32 | 32 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Barium [a] | 911 | 400 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium [a] | 6.2 | 2.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium [a] | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium [a] | 165000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium [a] | 259 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt [a] | < 100 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper [a] | 242 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Iron [b] | 236000 | 400 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Lead [b] | 79.3 | 12 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Magnesium [a] | 84500 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese [a] | 7200 | 30 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury | < 0.80 | 0.80 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel [a] | 239 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium [a] | 25400 | 20000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium [b] | < 40 | 40 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver [a] | < 20 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium [a] | 42400 | 20000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium [a] | < 20 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium [a] | 247 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc [a] | 413 | 40 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

(a) Elevated sample detection limit due to difficult sample matrix.
(b) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-5 | | |
| **Lab Sample ID:** | JA46440-5F | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Groundwater Filtered | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Dissolved Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Arsenic | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Calcium | 125000 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Copper | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Iron | < 100 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Magnesium | 44900 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Manganese | 3930 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [4] |
| Nickel | 13.8 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Potassium | < 10000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Sodium | 54400 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |
| Zinc | 30.1 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [3] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Prep QC Batch: MP52823
(4) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1C77819.D | 1 | 05/16/10 | MAH | n/a | n/a | V1C3398 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | 2.3 | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 97% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 96% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 88% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73789.D | 1 | 05/27/10 | LP | 05/14/10 | OP43586 | EM2825 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 1000 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | 1.1 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.0 | 1.1 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | 1.2 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | 1.7 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 20 | 0.74 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 20 | 0.51 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.0 | 1.1 | ug/l | |
| | 3&4-Methylphenol | ND | 2.0 | 1.0 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | 1.2 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 10 | 0.83 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 10 | 0.80 | ug/l | |
| 108-95-2 | Phenol | ND | 2.0 | 0.58 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.0 | 0.81 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | 1.3 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | 1.2 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.0 | 0.37 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.0 | 0.27 | ug/l | |
| 98-86-2 | Acetophenone | ND | 2.0 | 0.40 | ug/l | |
| 120-12-7 | Anthracene | ND | 1.0 | 0.16 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.0 | 0.39 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.0 | 0.40 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.0 | 0.12 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.0 | 0.095 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.0 | 0.25 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.0 | 0.12 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.0 | 0.38 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.0 | 0.35 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.0 | 0.25 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.0 | 0.42 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.0 | 0.42 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.0 | 0.25 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.0 | 0.17 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.0 | 0.20 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.0 | 0.11 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.0 | 0.25 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.0 | 0.31 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.0 | 0.39 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.0 | 0.35 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.0 | 0.22 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.0 | 0.33 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.0 | 0.30 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.0 | 0.15 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.0 | 0.30 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.0 | 0.19 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.0 | 0.40 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.0 | 0.17 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.0 | 0.23 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 2.0 | 0.33 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 1.0 | 0.17 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.0 | 0.27 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | 0.27 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.0 | 0.13 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 20 | 0.24 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.0 | 0.21 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.0 | 0.13 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.0 | 0.25 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.0 | 0.66 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.0 | 0.24 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.0 | 0.29 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.0 | 0.18 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.0 | 0.43 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.0 | 0.25 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.0 | 0.44 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | 0.22 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 1.0 | 0.21 | ug/l | |
| 129-00-0 | Pyrene | ND | 1.0 | 0.16 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.0 | 0.48 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 23% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 15% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 92% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 95% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 86% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 75% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | OA62978.D | 1 | 05/26/10 | PA | 05/14/10 | OP43595 | GOA2248 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 870 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.023 | 0.0034 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.023 | 0.0025 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.023 | 0.0035 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.023 | 0.0019 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.023 | 0.0028 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.023 | 0.0025 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.023 | 0.0059 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.023 | 0.0034 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.023 | 0.0037 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.023 | 0.0034 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.023 | 0.0034 | ug/l | |
| 72-20-8 | Endrin | ND | 0.023 | 0.0043 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.023 | 0.0076 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.023 | 0.0083 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.023 | 0.0070 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.023 | 0.0041 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.023 | 0.0050 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.023 | 0.0076 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.023 | 0.0030 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.023 | 0.0070 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.29 | 0.29 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 83% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 88% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 47% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 54% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | CD88770.D | 1 | 05/18/10 | OPM | 05/14/10 | OP43596 | GCD3067 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 870 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.57 | 0.34 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.57 | 0.47 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.57 | 0.36 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.57 | 0.31 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.57 | 0.32 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.57 | 0.21 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.57 | 0.16 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.57 | 0.14 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.57 | 0.11 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 97% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 101% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 61% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 68% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 46100 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Arsenic [a] | 8.0 | 6.0 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Barium | 932 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium | 2.5 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium | 4.5 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium | 77200 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium | 165 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper | 119 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Iron [a] | 131000 | 200 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Lead [a] | 2380 | 6.0 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Magnesium | 18600 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese | 1500 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury [b] | 1.3 | 0.40 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel | 81.2 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium | 26100 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium [a] | < 20 | 20 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium | 105000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium | 143 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc | 691 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

(a) Elevated detection limit due to dilution required for high interfering element.
(b) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | MW-6 | | |
| **Lab Sample ID:** | JA46440-6F | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Groundwater Filtered | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Dissolved Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Arsenic | < 8.0 | 8.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Calcium | 77200 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Copper | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Iron | < 100 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Lead | 10.4 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Magnesium | 6420 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Manganese | 511 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [5] |
| Nickel | 13.7 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Potassium | 12500 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Sodium | 131000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Zinc | 31.0 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Prep QC Batch: MP52823
(5) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3C63512.D | 1 | 05/24/10 | NT | n/a | n/a | V3C2798 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1.0 | 0.29 | ug/l | |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.31 | 1.0 | 0.23 | ug/l | J |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | 1.0 | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 117% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 127% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 97% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73790.D | 1 | 05/27/10 | LP | 05/14/10 | OP43586 | EM2825 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 875 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.7 | 1.2 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.7 | 1.2 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.7 | 1.4 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.7 | 1.9 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 23 | 0.84 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 23 | 0.59 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.3 | 1.3 | ug/l | |
| | 3&4-Methylphenol | ND | 2.3 | 1.2 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.7 | 1.4 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 11 | 0.95 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 11 | 0.91 | ug/l | |
| 108-95-2 | Phenol | ND | 2.3 | 0.66 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.7 | 0.92 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.7 | 1.5 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.7 | 1.4 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.1 | 0.42 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.1 | 0.31 | ug/l | |
| 98-86-2 | Acetophenone | ND | 2.3 | 0.46 | ug/l | |
| 120-12-7 | Anthracene | ND | 1.1 | 0.19 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.7 | 0.45 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.7 | 0.46 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.1 | 0.14 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.1 | 0.11 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.1 | 0.28 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.1 | 0.14 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.1 | 0.43 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.3 | 0.40 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.3 | 0.29 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.1 | 0.48 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.3 | 0.48 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.7 | 0.29 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.1 | 0.19 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.3 | 0.22 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.1 | 0.12 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.3 | 0.28 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.3 | 0.35 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.3 | 0.45 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.3 | 0.40 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.3 | 0.25 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.3 | 0.37 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.7 | 0.34 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.1 | 0.17 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.7 | 0.35 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.3 | 0.22 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.3 | 0.45 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.3 | 0.19 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.3 | 0.26 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1.9 | 2.3 | 0.37 | ug/l | J |
| 206-44-0 | Fluoranthene | ND | 1.1 | 0.19 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.1 | 0.31 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.1 | 0.30 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.1 | 0.15 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 23 | 0.28 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.3 | 0.24 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.1 | 0.15 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.3 | 0.28 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.1 | 0.75 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.7 | 0.27 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.7 | 0.33 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.7 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.1 | 0.49 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.3 | 0.29 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.3 | 0.50 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.7 | 0.25 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 1.1 | 0.24 | ug/l | |
| 129-00-0 | Pyrene | ND | 1.1 | 0.18 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.3 | 0.55 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 28% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 20% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 91% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 88% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 80% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 59% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | OA62979.D | 1 | 05/26/10 | PA | 05/14/10 | OP43595 | GOA2248 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 800 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.025 | 0.0037 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.025 | 0.0027 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.025 | 0.0038 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.025 | 0.0021 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.025 | 0.0030 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.025 | 0.0027 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.025 | 0.0064 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.025 | 0.0037 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.025 | 0.0041 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.025 | 0.0038 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.025 | 0.0037 | ug/l | |
| 72-20-8 | Endrin | ND | 0.025 | 0.0046 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.025 | 0.0083 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.025 | 0.0090 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.025 | 0.0076 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.025 | 0.0045 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.025 | 0.0054 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.025 | 0.0083 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.025 | 0.0033 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.025 | 0.0077 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.31 | 0.31 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 74% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 91% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 52% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 59% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | CD88771.D | 1 | 05/18/10 | OPM | 05/14/10 | OP43596 | GCD3067 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 800 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.63 | 0.38 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.63 | 0.51 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.63 | 0.39 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.63 | 0.34 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.63 | 0.35 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.63 | 0.23 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.63 | 0.18 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.63 | 0.15 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.63 | 0.13 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 92% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 98% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 63% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 52% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum [a] | 234000 | 1000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony [a] | < 30 | 30 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Arsenic [a] | 43.8 | 40 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Barium [a] | 2230 | 1000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium [a] | 14.5 | 5.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium [a] | < 15 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium [a] | 171000 | 25000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium [a] | 640 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt [a] | 257 | 250 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper [a] | 626 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Iron [b] | 481000 | 1000 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Lead [b] | 194 | 30 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Magnesium [a] | 125000 | 25000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese [a] | 15000 | 75 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury [a] | < 0.80 | 0.80 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel [a] | 592 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium [a] | 63300 | 50000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium [b] | < 100 | 100 | ug/l | 2 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver [a] | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium [a] | < 50000 | 50000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium [a] | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium [a] | 554 | 250 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc [a] | 984 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

(a) Elevated sample detection limit due to difficult sample matrix.
(b) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP-051110 | | |
| **Lab Sample ID:** | JA46440-7F | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Groundwater Filtered | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Dissolved Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Arsenic | < 8.0 | 8.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Calcium | 114000 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Copper | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [5] |
| Iron | < 100 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Magnesium | 41100 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Manganese | 4590 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [6] |
| Nickel | 15.0 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Potassium | < 10000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [4] | SW846 3010A [5] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Sodium | 52600 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |
| Zinc | < 20 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [5] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Instrument QC Batch: MA24355
(5) Prep QC Batch: MP52823
(6) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-051110 | | |
| **Lab Sample ID:** | JA46440-8 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1C77821.D | 1 | 05/16/10 | MAH | n/a | n/a | V1C3398 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 4.4 | 10 | 2.9 | ug/l | J |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | 0.56 | 1.0 | 0.29 | ug/l | J |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-051110 | | |
| **Lab Sample ID:** | JA46440-8 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 98% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 97% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 90% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-051110 | | |
| **Lab Sample ID:** | JA46440-8 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | M73791.D | 1 | 05/27/10 | LP | 05/14/10 | OP43586 | EM2825 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 1000 ml | 1.0 ml |
| Run #2 | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | 1.1 | ug/l | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 5.0 | 1.1 | ug/l | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | 1.2 | ug/l | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | 1.7 | ug/l | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 20 | 0.74 | ug/l | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 20 | 0.51 | ug/l | |
| 95-48-7 | 2-Methylphenol | ND | 2.0 | 1.1 | ug/l | |
| | 3&4-Methylphenol | ND | 2.0 | 1.0 | ug/l | |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | 1.2 | ug/l | |
| 100-02-7 | 4-Nitrophenol | ND | 10 | 0.83 | ug/l | |
| 87-86-5 | Pentachlorophenol | ND | 10 | 0.80 | ug/l | |
| 108-95-2 | Phenol | ND | 2.0 | 0.58 | ug/l | |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | 5.0 | 0.81 | ug/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | 1.3 | ug/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | 1.2 | ug/l | |
| 83-32-9 | Acenaphthene | ND | 1.0 | 0.37 | ug/l | |
| 208-96-8 | Acenaphthylene | ND | 1.0 | 0.27 | ug/l | |
| 98-86-2 | Acetophenone | 0.70 | 2.0 | 0.40 | ug/l | J |
| 120-12-7 | Anthracene | ND | 1.0 | 0.16 | ug/l | |
| 1912-24-9 | Atrazine | ND | 5.0 | 0.39 | ug/l | |
| 100-52-7 | Benzaldehyde | ND | 5.0 | 0.40 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | ND | 1.0 | 0.12 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | ND | 1.0 | 0.095 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 1.0 | 0.25 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 1.0 | 0.12 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 1.0 | 0.38 | ug/l | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 2.0 | 0.35 | ug/l | |
| 85-68-7 | Butyl benzyl phthalate | ND | 2.0 | 0.25 | ug/l | |
| 92-52-4 | 1,1'-Biphenyl | ND | 1.0 | 0.42 | ug/l | |
| 91-58-7 | 2-Chloronaphthalene | ND | 2.0 | 0.42 | ug/l | |
| 106-47-8 | 4-Chloroaniline | ND | 5.0 | 0.25 | ug/l | |
| 86-74-8 | Carbazole | ND | 1.0 | 0.17 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-051110 | | |
| **Lab Sample ID:** | JA46440-8 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | ND | 2.0 | 0.20 | ug/l | |
| 218-01-9 | Chrysene | ND | 1.0 | 0.11 | ug/l | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 2.0 | 0.25 | ug/l | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 2.0 | 0.31 | ug/l | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 2.0 | 0.39 | ug/l | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 2.0 | 0.35 | ug/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 2.0 | 0.22 | ug/l | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 2.0 | 0.33 | ug/l | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 5.0 | 0.30 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 1.0 | 0.15 | ug/l | |
| 132-64-9 | Dibenzofuran | ND | 5.0 | 0.30 | ug/l | |
| 84-74-2 | Di-n-butyl phthalate | ND | 2.0 | 0.19 | ug/l | |
| 117-84-0 | Di-n-octyl phthalate | ND | 2.0 | 0.40 | ug/l | |
| 84-66-2 | Diethyl phthalate | ND | 2.0 | 0.17 | ug/l | |
| 131-11-3 | Dimethyl phthalate | ND | 2.0 | 0.23 | ug/l | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 2.0 | 0.33 | ug/l | |
| 206-44-0 | Fluoranthene | ND | 1.0 | 0.17 | ug/l | |
| 86-73-7 | Fluorene | ND | 1.0 | 0.27 | ug/l | |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | 0.27 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 1.0 | 0.13 | ug/l | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 20 | 0.24 | ug/l | |
| 67-72-1 | Hexachloroethane | ND | 2.0 | 0.21 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 1.0 | 0.13 | ug/l | |
| 78-59-1 | Isophorone | ND | 2.0 | 0.25 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | ND | 1.0 | 0.66 | ug/l | |
| 88-74-4 | 2-Nitroaniline | ND | 5.0 | 0.24 | ug/l | |
| 99-09-2 | 3-Nitroaniline | ND | 5.0 | 0.29 | ug/l | |
| 100-01-6 | 4-Nitroaniline | ND | 5.0 | 0.18 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1.0 | 0.43 | ug/l | |
| 98-95-3 | Nitrobenzene | ND | 2.0 | 0.25 | ug/l | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 2.0 | 0.44 | ug/l | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | 0.22 | ug/l | |
| 85-01-8 | Phenanthrene | ND | 1.0 | 0.21 | ug/l | |
| 129-00-0 | Pyrene | ND | 1.0 | 0.16 | ug/l | |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | 2.0 | 0.48 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 367-12-4 | 2-Fluorophenol | 27% | | 13-68% |
| 4165-62-2 | Phenol-d5 | 17% | | 10-49% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-051110 | | |
| **Lab Sample ID:** | JA46440-8 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8270C SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**ABN TCL List (SOM0 1.1)**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 106% | | 37-130% |
| 4165-60-0 | Nitrobenzene-d5 | 99% | | 25-112% |
| 321-60-8 | 2-Fluorobiphenyl | 89% | | 31-106% |
| 1718-51-0 | Terphenyl-d14 | 85% | | 14-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-051110 | | |
| **Lab Sample ID:** | JA46440-8 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8081A SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | OA62982.D | 1 | 05/26/10 | PA | 05/14/10 | OP43595 | GOA2248 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 1000 ml | 10.0 ml |
| Run #2 | | |

**Pesticide TCL List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | 0.020 | 0.0030 | ug/l | |
| 319-84-6 | alpha-BHC | ND | 0.020 | 0.0022 | ug/l | |
| 319-85-7 | beta-BHC | ND | 0.020 | 0.0030 | ug/l | |
| 319-86-8 | delta-BHC | ND | 0.020 | 0.0017 | ug/l | |
| 58-89-9 | gamma-BHC (Lindane) | ND | 0.020 | 0.0024 | ug/l | |
| 5103-71-9 | alpha-Chlordane | ND | 0.020 | 0.0022 | ug/l | |
| 5103-74-2 | gamma-Chlordane | ND | 0.020 | 0.0052 | ug/l | |
| 60-57-1 | Dieldrin | ND | 0.020 | 0.0029 | ug/l | |
| 72-54-8 | 4,4'-DDD | ND | 0.020 | 0.0033 | ug/l | |
| 72-55-9 | 4,4'-DDE | ND | 0.020 | 0.0030 | ug/l | |
| 50-29-3 | 4,4'-DDT | ND | 0.020 | 0.0029 | ug/l | |
| 72-20-8 | Endrin | ND | 0.020 | 0.0037 | ug/l | |
| 1031-07-8 | Endosulfan sulfate | ND | 0.020 | 0.0066 | ug/l | |
| 7421-93-4 | Endrin aldehyde | ND | 0.020 | 0.0072 | ug/l | |
| 53494-70-5 | Endrin ketone | ND | 0.020 | 0.0061 | ug/l | |
| 959-98-8 | Endosulfan-I | ND | 0.020 | 0.0036 | ug/l | |
| 33213-65-9 | Endosulfan-II | ND | 0.020 | 0.0043 | ug/l | |
| 76-44-8 | Heptachlor | ND | 0.020 | 0.0066 | ug/l | |
| 1024-57-3 | Heptachlor epoxide | ND | 0.020 | 0.0026 | ug/l | |
| 72-43-5 | Methoxychlor | ND | 0.020 | 0.0061 | ug/l | |
| 8001-35-2 | Toxaphene | ND | 0.25 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 82% | | 30-137% |
| 877-09-8 | Tetrachloro-m-xylene | 87% | | 30-137% |
| 2051-24-3 | Decachlorobiphenyl | 54% | | 10-137% |
| 2051-24-3 | Decachlorobiphenyl | 60% | | 10-137% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-051110 | | |
| **Lab Sample ID:** | JA46440-8 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8082 SW846 3510C | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | CD88772.D | 1 | 05/18/10 | OPM | 05/14/10 | OP43596 | GCD3067 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|---|---|---|
| Run #1 | 1000 ml | 10.0 ml |
| Run #2 | | |

**PCB List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | 0.50 | 0.30 | ug/l | |
| 11104-28-2 | Aroclor 1221 | ND | 0.50 | 0.41 | ug/l | |
| 11141-16-5 | Aroclor 1232 | ND | 0.50 | 0.31 | ug/l | |
| 53469-21-9 | Aroclor 1242 | ND | 0.50 | 0.27 | ug/l | |
| 12672-29-6 | Aroclor 1248 | ND | 0.50 | 0.28 | ug/l | |
| 11097-69-1 | Aroclor 1254 | ND | 0.50 | 0.18 | ug/l | |
| 11096-82-5 | Aroclor 1260 | ND | 0.50 | 0.14 | ug/l | |
| 11100-14-4 | Aroclor 1268 | ND | 0.50 | 0.12 | ug/l | |
| 37324-23-5 | Aroclor 1262 | ND | 0.50 | 0.10 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 877-09-8 | Tetrachloro-m-xylene | 86% | | 30-140% |
| 877-09-8 | Tetrachloro-m-xylene | 92% | | 30-140% |
| 2051-24-3 | Decachlorobiphenyl | 54% | | 10-142% |
| 2051-24-3 | Decachlorobiphenyl | 64% | | 10-142% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | FB-051110 | | |
| **Lab Sample ID:** | JA46440-8 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 05/12/10 |
| | | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**Total Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Antimony | < 6.0 | 6.0 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Arsenic | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Barium | < 200 | 200 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Beryllium | < 1.0 | 1.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Calcium | < 5000 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Chromium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Cobalt | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Copper | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Iron | < 100 | 100 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Magnesium | < 5000 | 5000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Manganese | < 15 | 15 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 05/25/10 | 05/25/10 | JW | SW846 7470A [1] | SW846 7470A [5] |
| Nickel | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Potassium | < 10000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Selenium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | GT | SW846 6010B [3] | SW846 3010A [4] |
| Silver | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Sodium | < 10000 | 10000 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Thallium | < 10 | 10 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Vanadium | < 50 | 50 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |
| Zinc | < 20 | 20 | ug/l | 1 | 05/25/10 | 05/26/10 | VC | SW846 6010B [2] | SW846 3010A [4] |

(1) Instrument QC Batch: MA24346
(2) Instrument QC Batch: MA24347
(3) Instrument QC Batch: MA24353
(4) Prep QC Batch: MP52823
(5) Prep QC Batch: MP52836

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | JA46440-9 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 1C77822.D | 1 | 05/16/10 | MAH | n/a | n/a | V1C3398 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 2.9 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.33 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.22 | ug/l | |
| 75-25-2 | Bromoform | ND | 4.0 | 0.23 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.30 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 1.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2.0 | 0.74 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.26 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.39 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1.0 | 0.37 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.23 | ug/l | |
| 74-87-3 | Chloromethane | 0.65 | 1.0 | 0.29 | ug/l | J |
| 110-82-7 | Cyclohexane | ND | 5.0 | 1.9 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.1 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.22 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.39 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.26 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.28 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 0.92 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.29 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.33 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.22 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.27 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.25 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.21 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 94 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.27 | ug/l | |
| 76-13-1 | Freon 113 | ND | 5.0 | 0.38 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | JA46440-9 | **Date Sampled:** | 05/11/10 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 05/12/10 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Top 8 Prince Street, 133-42 39th Avenue, Flushing, NY | | |

**VOA TCL List (SOM0 1.1)**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.4 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2.0 | 0.57 | ug/l | |
| 79-20-9 | Methyl Acetate | ND | 5.0 | 1.5 | ug/l | |
| 108-87-2 | Methylcyclohexane | ND | 5.0 | 0.35 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.23 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone(MIBK) | ND | 5.0 | 0.86 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.30 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.58 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.27 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.30 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.47 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.56 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.26 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.23 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.24 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 0.54 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.44 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.25 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 98% | | 76-120% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 98% | | 64-135% |
| 2037-26-5 | Toluene-D8 | 89% | | 76-117% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | | 72-122% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

# CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #:
Bottle Order Control #: MV-5/6/2010-13
Accutest Quote #:
Accutest Job #: JA46440

**Client / Reporting Information**

Company Name: Roux Associates
Street Address: 209 Shafter St
City State Zip: Islandia NY 11749
Project Contact: Jessica Diminich jdiminich@rouxinc.com
Phone #: 631-232-2600 (office) Fax #:
631-831-4205 (cell)
Sampler(s) Name(s): J. Diminich, Carolyn Roth Phone #:

**Project Information**

Project Name: Top 8 - Prince St
Street: 133-42 39th Ave
City State: Flushing NY
Project #: 16633.000SY000
Client Purchase Order #:
Project Manager: J. Diminich

Billing Information (If different from Report to)
Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet): V8260TCL 11, ABS270TCL 11, PPCB, MTAL, MTAL DISSOLVED (LAB FILTER)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

| Accutest Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | V8260TCL 11 | ABS270TCL 11 | PPCB | MTAL | MTAL DISSOLVED (LAB FILTER) | | | | | | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1F | MW-1 | | 5/11/10 | 1035 | JD/CR | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | ME26, |
| 2F | MW-2 | | ↑ | 1130 | ↑ | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | 940, |
| 3F | MW-3 | | | 1050 | | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | 48T |
| 4F | MW-4 | | | 1445 | | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| | ~~MW-4MS~~ MW-5MS | | | 1235 | | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 5F | ~~MW-4MSD~~ MW-5MSD | | | 1240 | | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| | MW-5 | | | 1230 | | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 6F | MW-6 | | | 1155 | | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 7F | DUP-051110 | | ↓ | 1300 | ↓ | GW | 9 | 3 | | 1 | | 5 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 8F | FB-051110 | | 5/11/10 | 0920 | JD/CR | FB | 7 | 2 | | 1 | | 4 | | | | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| 9 | TRIP BLANK | | 5/6/10 | 1630 | | TB | 2 | 2 | | | | | | | | ✓ | | | | | | | | | | |

Turnaround Time (Business days)
- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions: Metals Dissolved are unfiltered, require lab filtering

Sample Custody must be documented below each time samples change possession, including courier delivery.

| Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|
| 1 | 5/12/10 12:45 | 1 | 2 | 5/12/10 17:15 | 2 |
| Relinquished by Sampler: 3 | Date Time: | Received By: 3 | Relinquished By: 4 | Date Time: | Received By: 4 |
| Relinquished by: 5 | Date Time: | Received By: 5 | Custody Seal # | [ ] Intact [ ] Not intact | Preserved where applicable |

On Ice: [x] Cooler Temp. 1.8°, 1.4°, 1.5°, 2.2°C

JA46440: Chain of Custody
Page 1 of 3

ACCUTEST

# Sample Log-In Summary

JA46440 -COC

Lab Name: Accutest — Page 1 of 1

Received by (Print Name): M Catena — Log-in Date: 5/12/10

Received by (Signature): [signature]

Case Number: N/A

SDG Number:

SAS Number: N/A

REMARKS:

1. Custody Seal(s) — Present/Absent* (Absent circled) — Intact/Broken
2. Custody Seal Numbers: NONE
3. Chain-of-Custody Records — Present/Absent* (Present circled)
4. Contract Lab Sample Inform. Sheet (CLSIS) — Present/Absent* N/A
5. Airbill — Airbill/Sticker N/A — Present/Absent*
6. Airbill No.: N/A
7. Sample Tags — Present/Absent* N/A
8. Sample Tag Nos. — Listed/Not Listed on Chain-of-Custody N/A
9. Sample Condition — Intact/Broken*/Leaking (Intact circled)
10. Does Information on custody rec., CLSIS, & sample tags agree — COC + LABELS AGREE — Yes/No* (Yes circled)
11. Date received at Lab: 5/12/10
12. Time Received: 1115
13. Do aqueous VOC vials have headspace? Yes/No* (No circled)
14. Are preserved voc soil samples fully immersed in preservative? Yes/No* N/A (N/A circled)

Sample Transfer

Fraction:

Area #:

By:

On:

See Internal Chain of Custody

| NYSDEC SAMPLE # | CORRESPONDING SAMPLE TAG # | CORRESPONDING ASSIGNED LAB # | REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC. |
|---|---|---|---|
| N/A | | JA46440- | 1 |
| N/A | | " | 2 |
| N/A | | " | 3 |
| N/A | | " | 4 |
| N/A | | " | 5 ms/msd |
| N/A | | " | 6 |
| N/A | | " | 7 |
| N/A | | " | 8 FB |
| N/A | | " | 9 TB |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |
| N/A | | | |

* Contract BTSR and attach record of resolution

Reviewed By:

Date:

Logbook No.: N/A

Logbook Page No.: N/A

**Form: SM10-02**
**Rev. Date: 8/21/03**

JA46440: Chain of Custody
Page 2 of 3

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** JA46440 **Client:** **Immediate Client Services Action Required:** No

**Date / Time Received:** 5/12/2010 **Delivery Method:** **Client Service Action Required at Login:** No

**Project:** **No. Coolers:** 4 **Airbill #'s:**

| Cooler Security | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| Cooler Temperature | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☑ | | ☐ |
| 2. Cooler temp verification: | Infared gun | | |
| 3. Cooler media: | Ice (bag) | | |

| Quality Control Preservatio | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☑ | | ☐ | ☐ |
| 2. Trip Blank listed on COC: | ☑ | | ☐ | ☐ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☑ | | ☐ | ☐ |

| Sample Integrity - Documentation | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| Sample Integrity - Condition | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Intact | | |

| Sample Integrity - Instructions | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

# APPENDIX L

## Soil Vapor Analytical Data

# APPENDIX M

## Digital Photographs of Remedial Investigation