87-89 GRAND STREET

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 14CVCP198K
E-Designation Site Number: 12EH-N299K

Prepared for:
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January 7, 2014

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

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

CERTIFICATION

I, Michael Borello, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 87-89 Grand Street Site, (NYC VCP Site No. 14CVCP198K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Michael Borello 1/20/14

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Site Investigation Report (SIR) provides sufficient information to determine the extent of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The site investigation described in this document is consistent with applicable guidance.

Site Location and Current Usage

The property is located at 87-89 Grand Street, in the Williamsburg section of Brooklyn and is identified as Block 2379, Lot 40 (previously lots 40 and 42). Refer to **Figure A**, Site Plan. The site is bound by North 2nd Street and residential buildings to the north, Public School 84 and a playground to the south, a parking lot the east, and Grand street and mixed-use residential and commercial buildings to the west. The 89 Grand Street property contains a 50 by 55 foot 3-story vacant residential building with a basement. The 87 Grand Street property is a 2,068 square foot vacant lot surrounded by a chain link fence. Total site area is 4,418 sq. ft.

Summary of Proposed Redevelopment Plan

The two lots will be combined into a single lot 40. The existing building will be demolished and replaced with a new two- and five-story building, with mixed commercial, residential and community facility use. The new building will occupy the full lot area and scope will include a new cellar occupying most of the building footprint. Community Use space will take the form of double-height rooms, suitable for a place of worship or non-profit art gallery. Construction will include a heavily reinforced concrete slab (mat slab) with steel columns and beams supporting poured concrete floors on steel decking; interior partitions and ceilings will be dry-wall.

Excavation on current 89 Grand Street will include deepening the existing cellar by 4 to 5 feet and excavating an additional xx' below grade for construction of a new elevator pit. Excavation to a depth of about 13'-6" below grade for a new partial cellar and to xx feet below grade for the slab-on-grade area is proposed on former 87 Grand Street. Existing cellar walls will be retained and underpinning of existing adjoining foundation walls will be avoided through the use of stepped concrete support arrangements.

Summary of Past Uses of Site and Areas of Concern

The 87 Grand Street subject property was depicted as commercial dwelling from 1982-1995 and the surrounding properties were comprised of multi-family dwellings, school and restaurants. The subject property is 2,068 square foot vacant, unpaved parking lot.

The 89 Grand Street subject property was depicted as commercial dwelling since 1900, and the surrounding properties are comprised of multi-family dwellings, school and restaurants. The subject property is 2,729 square foot three story building.

The AOCs for this site is the soil and soil vapor. Phase 1 Report is presented in Appendix A. A map showing areas of concern is presented in Figure D.

Summary of the Work Performed under the Site Investigation

Environmental Building Solutions, LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed three soil borings across the 87 Grand St project Site, and collected nine soil samples for chemical analysis to evaluate soil quality;
3. Installed two soil boring 89 Grand St project Site, and collected two soil samples for chemical analysis to evaluate soil quality;
4. Installed three groundwater monitoring wells across the 87 Grand St Site to establish groundwater flow direction and collected three (3) groundwater samples for chemical analysis;
5. Installed three soil vapor probes at the 87 Grand St Site property and collected three samples for VOC Soil Vapor.
6. Installed two soil vapor probes at the 89 Grand St Site property and collected four samples for VOC Soil Vapor.

Summary of Environmental Findings

1. Elevation of the property ranges from 38 feet above sea level
2. Depth to groundwater is approximately 22 feet below ground surface.
3. Groundwater flow is generally from east to west.
4. Depth to bedrock is in excess of 25 feet at the Site.
5. The stratigraphy of the Site, from the surface down, consists of approximately 12 feet of historic urban fill material underlain by grey, brown course to fine sand with sediments.
6. Soil/fill samples collected during RI showed no detectable concentrations of VOCs or PCBs. Six semi volatile organic compounds (SVOCs) were detected at concentrations above Track 2 Restricted Residential SCOs and included benzo(a)anthracene (max. 2.75 ppm), benzo(a)pyrene (max. 2.64 ppm), benzo(b)fluoranthene (max. 2.11 ppm), benzo(k)fluoranthene (max. 2.19 ppm), chrysene (max. 2.7 ppm), indeno(1,2,3-cd)pyrene (max. 1.3 ppm). Two pesticides 4,4-DDE (max. 28.3 ppb) and 4,4-DDT (max. 296 ppb) were detected above Track 1 Unrestricted Use SCOs and well below Restricted Residential SCOs. Six metals were identified exceeding Track 1 Unrestricted Use SCOs including arsenic (max. 14.3 ppm), cadmium (max. 3.36 ppm), chromium (max. 37.7 ppm), lead (max. 163 ppm), mercury (max. 2.0 ppm), and zinc (max. 164 ppm). Of these metals, mercury also exceeded Track 2 Restricted Residential Use SCOs in one deep sample.
7. Groundwater samples showed VOCs naphthalene and methylene chloride detected below NYSDEC 6 NYCRR Part 703.5 Groundwater Quality Standards (GQS). SVOCs,

pesticides, and PCBs were not detected in groundwater. Two metals iron (max. 1,240 ug/L) and sodium (max. 51,600 ug/L) were identified exceeding GQS.

8. Results of soil vapor samples indicated low concentrations of petroleum related compounds. Benzene, ethylbenzene, toluene, and xylenes were detected at concentrations from non-detect to 70 $\mu g/m^3$. Most compounds were detected below 50 $\mu g/m^3$ except for acetone (max. of 1300 $\mu g/m^3$) and ethanol (max. of 170 $\mu g/m^3$). The chlorinated VOC PCE (max 240 $\mu g/m^3$) was detected within its monitoring range established by DOH guidance matrix. 1,1,1-Trichloroethane (max 2.7 $\mu g/m^3$) was also detected, but below its monitoring range.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

PTSE Property Holdings, LLC has applied for enrollment in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 4810 square foot site located at 87-89 Grand Street in the Williamsburg section of Brooklyn, New York. The RI for the 87 Grand St Property was performed between April 24, 2012 and April 27, 2012, and the RI work for the 89 Grand Street Property was performed on May 30, 2012. This RI summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The property is located at 87-89 Grand Street, in the Williamsburg section of Brooklyn and is identified as Block 2379, Lot 40 (previously lots 40 and 42). Refer to **Figure A**, Site Plan. The site is bound by North 2nd street and residential buildings to the north, Public School 84 and a playground to the south, a parking lot to the east, and Grand street and mixed use residential and commercial buildings to the west. The 89 Grand Street property contains a 50 by 55 foot 3-story vacant residential building with a basement. The 87 Grand Street property is a 2,068 square foot vacant lot surrounded by a chain link fence and a gate. Total site area is 4,418 sq. ft.

1.2 PROPOSED REDEVELOPMENT PLAN

The two lots will be combined into a single lot 40. The existing building will be demolished and replaced with a new two- and five-story building, with mixed commercial, residential and community facility use. The new building will occupy the full lot area and scope will include a new cellar occupying most of the building footprint. Community Use space will take the form of double-height rooms, suitable for a place of worship or non-profit art gallery. Construction will include a heavily reinforced concrete slab (mat slab) with steel columns and beams supporting poured concrete floors on steel decking; interior partitions and ceilings will be dry-wall.

Excavation on current 89 Grand Street will include deepening the existing cellar by 4 to 5 feet and excavating an additional xx' below grade for construction of a new elevator pit. Excavation to a depth of about 13'-6" below grade for a new partial cellar and to xx feet below grade for the slab-on-grade area is proposed on former 87 Grand Street. Existing cellar walls will be retained and underpinning of existing adjoining foundation walls will be avoided through the use of stepped concrete support arrangements.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

North – The Site is bordered to the north by N 1st Street and residential buildings.

South – The Site is bordered to the south by playground and Public School 84.

East – The Site is bordered to the east by a parking lot.

West – The Site is bordered to the west by Grand Street, which has mixed use retail and residential buildings**.**

Figure A shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

The 87 Grand Street subject property was depicted as commercial dwelling from 1982-1995 and the surrounding properties were comprised of multi-family dwellings, school and restaurants. The subject property is 2,068 square foot vacant, unpaved parking lot.

The 89 Grand Street subject property was depicted as commercial dwelling since 1900, and the surrounding properties are comprised of multi-family dwellings, school and restaurants. The subject property is 2,729 square foot three story building.

Phase 1 Report is presented in **Appendix A**. A map showing areas of concern is presented in **Figure D.**

2.2 PREVIOUS INVESTIGATIONS

Environmental Building Solutions, LLC prepared Phase I report on January 20, 2012, Project ID # 12-149 for their 87 Grand Street Property. Based on a Phase I Environmental Site Assessment, the NYC Office of Environmental Remediation (OER) had determined that a soil and groundwater investigation should be conducted at the subject property.

2.3 AREAS OF CONCERN

The only AOC identified for this site is the presence of historic fill material.

Phase 1 Report is presented in **Appendix A**. A map showing areas of concern is presented in **Figure D.**

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Professional (QEP) responsible for preparation of this RI is Michael Borello of Environmental Building Solutions, LLC, 231 West 29th Street, Suite 601, New York, NY 10001

3.2 HEALTH AND SAFETY

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

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations. Sampling equipment was decontaminated in accordance with procedures as defined in the General Sampling Program. All equipment and solvents used for decontamination was decontaminated or disposed of properly.

Equipment Decontamination - Sampling equipment was decontaminated in accordance with procedures as defined in the General Sampling Program.

Disposal of Decontamination Wastes - All equipment and solvents used for decontamination was decontaminated or disposed of properly.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Environmental Building Solutions, LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed three soil borings across the entire 87 Grand St project Site, and collected nine soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed one soil boring across the entire 89 Grand St project Site, and collected two soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed three groundwater monitoring wells throughout the 87 Grand St Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed three soil vapor probes around 87 Grand St Site perimeter (collected three samples for VOC Soil Vapor analysis),
6. Installed two soil vapor probes around 89 Grand St Site perimeter (collected four samples for VOC Soil Vapor analysis)
7. Collected TO-15 Air Samples

4.1 BORINGS and MONITORING WELLS

Drilling and Soil Logging

The Remedial Investigation was performed in two stages. On April 24, 2012, a total of three soil borings were performed in the approximate locations shown on Figure E. The three soil boring locations were chosen to gain representative soil and groundwater quality information across the Site. For each of the three soil borings, soil samples were collected continuously from grade to a final depth of 20-25 feet below existing grade using a four-foot steel macro-core sampler with acetate liners and Geoprobe direct-push equipment. Soil recovered from each of the soil borings was field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination. No PID readings above background concentrations were obtained from any of the soil borings and no visual discoloration, odor/vapors or presence of free and/or residual product was observed.

Boring logs were prepared by a Sharon Dyal of Environmental Building Solutions, Inc. A map showing the location of soil borings and monitor wells is shown in **Figure E**.

Groundwater Monitoring Well Construction

Three temporary monitoring wells were constructed of 1-inch diameter slotted and solid PVC casing. Solid casing extended from ground surface to approximately 15 feet bgs, and slotted casing was utilized from 15 feet bgs to approximately 3 feet below the water level. The well casing was inserted into the borehole with filter pack sand surrounding the slotted casing, up to 1 foot above the slotted casing and the remainder of the borehole, up to the ground surface, was filled with hydrated bentonite grout.

Water Level Measurement

Approximate groundwater level measurements were collected using a Solinst oil/water interface meter to ensure the surface of the water table was within the screened section of the monitoring well. No free product was observed within the three monitoring wells. Water level data is included in **Table 2.**

4.2 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

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

Each soil samples was collected by manual extraction from the macro core sampler using a hand trowel and placed into glass jars. An additional sample was collected in a Ziploc® bag and allowed to volatize. Then the headspace will be tested using the PID meter.

Soil samples were collected from each boring at the following depths:

1. 0-2' below ground surface (bgs)
2. 10-12' bgs, and
3. If evidence of contamination was encountered, a third sample was collected from the 2' interval exhibiting the greatest evidence of contamination (e.g., based on high PID reading). If no evidence of contamination was encountered, a third sample was collected from the soil-groundwater interface.

Six soil samples were collected for chemical analysis during this SIR. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Table 4**. Laboratories and analytical methods are shown below:

Soil samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals and compared to both Part 375 Track 1 Unrestricted Use and Track 2 Restricted Residential Use Soil Cleanup Objectives. The analytical laboratory performed Quality Control (QC), which included a trip blank for VOC's and field blanks for the full list of VOC's, SVOC's, PCB's, Pesticides and Metals for both soil and groundwater. Lab blanks were submitted.

Groundwater Sampling

Ground water was pumped through plastic tubing to the ground surface by oscillating the tubing up and down, or pumping through a peristaltic pump. Samples were collected by withdrawing and draining the tubing. The wells was purged and sampled in accordance with US EPA low flow sampling methods. Water quality parameters were monitored and recorded every 5 minutes during well purging to determine when stable values had been attained.

Three groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in **Table 5**. Sampling logs with information on purging and sampling of groundwater monitor wells is included in **Appendix V**.

Groundwater samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals and compared to NYSDEC TOGS Class GA groundwater quality standards. The analytical laboratory performed Quality Control (QC), which included a trip blank for VOC's and field blanks for the full list of VOC's, SVOC's, PCB's, Pesticides and Metals.

Soil Vapor Sampling

Soil vapor points were installed at six (6) feet below ground surface and were constructed with a 6" stainless steel implant screen attached to new/clean Teflon® lined poly tubing to the surface(1/4" ID/3/8" OD). Samples were collected from each of the soil vapor probes using 6-liter (6L), batch-certified SUMMA canisters each equipped with a vacuum gauge and flow regulator set to collect a 6-liter sample over a 2-hour sampling period, which corresponds to a flow rate of approximately 50 milliliters per minute (mL/min). The canister was placed in a shipping carton for delivery to the laboratory. The samples were analyzed by a NYSDOH-certified lab for VOCs using EPA Method TO-15. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Three soil vapor probes were installed and three soil vapor samples were collected at 87 Grand Street, and two soil vapor probes were installed and two soil vapor samples and two TO-15 Air Samples were collected at 89 Grand Street for chemical analysis during this SI. Soil vapor sample collection data is reported in **Table 6**, and soil vapor sampling logs are included in **Appendix VI**.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	Juan R. Cuba, Technical Director from Environmental Quality Services, Inc.
Chemical Analytical Laboratory	Environmental Quality Services, Inc. (NYS ELAP-90969)
Chemical Analytical Methods	**Soil analytical methods:** • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); **Groundwater analytical methods:** • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); **Soil vapor analytical methods:** • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses:

Laboratory data for soil, groundwater and soil vapor are summarized in **Tables 4, 5, and 6**, respectively. Laboratory data deliverables for all samples evaluated in this SI are provided in digital form in **Appendices IV-VI.**

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

Subsurface soil at the Site consisted of urban fill, which extended to a depth ranging from ground surface to approximately 12 feet below grade. Native soil consisting of a brown sand is present below the urban fill layer.

Hydrogeology

A table of water level data for all monitoring wells is included in **Table 2**. The average depth to groundwater is 25 feet. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in **Figure E**. Groundwater flow is from North to West.

5.2 SOIL CHEMISTRY

Soil/fill samples collected during RI showed no detectable concentrations of VOC's or PCBs. Six semi volatile organic compounds (SVOCs) were detected in concentrations above Track 2 Restricted Residential SCO's and included benzo(a)anthracene (max. 2.75 ppm), benzo(a)pyrene (max. 2.64 ppm), benzo(b)fluoranthene (max. 2.11 ppm), benzo(k)fluoranthene (max. 2.19 ppm), chrysene (max. 2.7 ppm), indeno(1,2,3-cd)pyrene (max. 1.3 ppm). Two pesticides 4,4-DDE (max. 28.3 ppb) and 4,4-DDT (max. 296 ppb) were detected above Track 1 Unrestricted Use SCOs and well below Restricted Residential SCOs. Six metals were identified exceeding Track 1 Unrestricted Use SCOs including arsenic (max. 14.3 ppm), cadmium (max. 3.36 ppm), chromium (max. 37.7 ppm), lead (max. 163 ppm), mercury (max. 2.0 ppm), and zinc (max. 164 ppm). Of these metals, mercury also exceeded Track 2 Restricted Residential Use SCOs in one deep sample.

5.3 GROUNDWATER CHEMISTRY

Groundwater samples showed VOCs naphthalene and methylene chloride detected below NYSDEC 6 NYCRR Part 703.5 Groundwater Quality Standards (GQS). SVOCs, pesticides, and PCBs were not detected in groundwater. Several metals were detected but only iron and sodium exceeded their respective GQS.

5.4 SOIL VAPOR CHEMISTRY

Results of soil vapor samples indicated low concentrations of petroleum related compounds. Benzene, ethylbenzene, toluene, and xylenes were detected at concentrations from non-detect to 70 µg/m3. Most compounds were detected below 50 µg/m3 except for acetone (max. of 1300 µg/m3) and ethanol (max. of 170 µg/m3). The chlorinated VOC PCE (max 240 µg/m3) was detected within its monitoring range established by DOH guidance matrix. 1,1,1-Trichloroethane (max 2.7 µg/m3) was also detected, but below its monitoring range.

5.5 PRIOR ACTIVITY

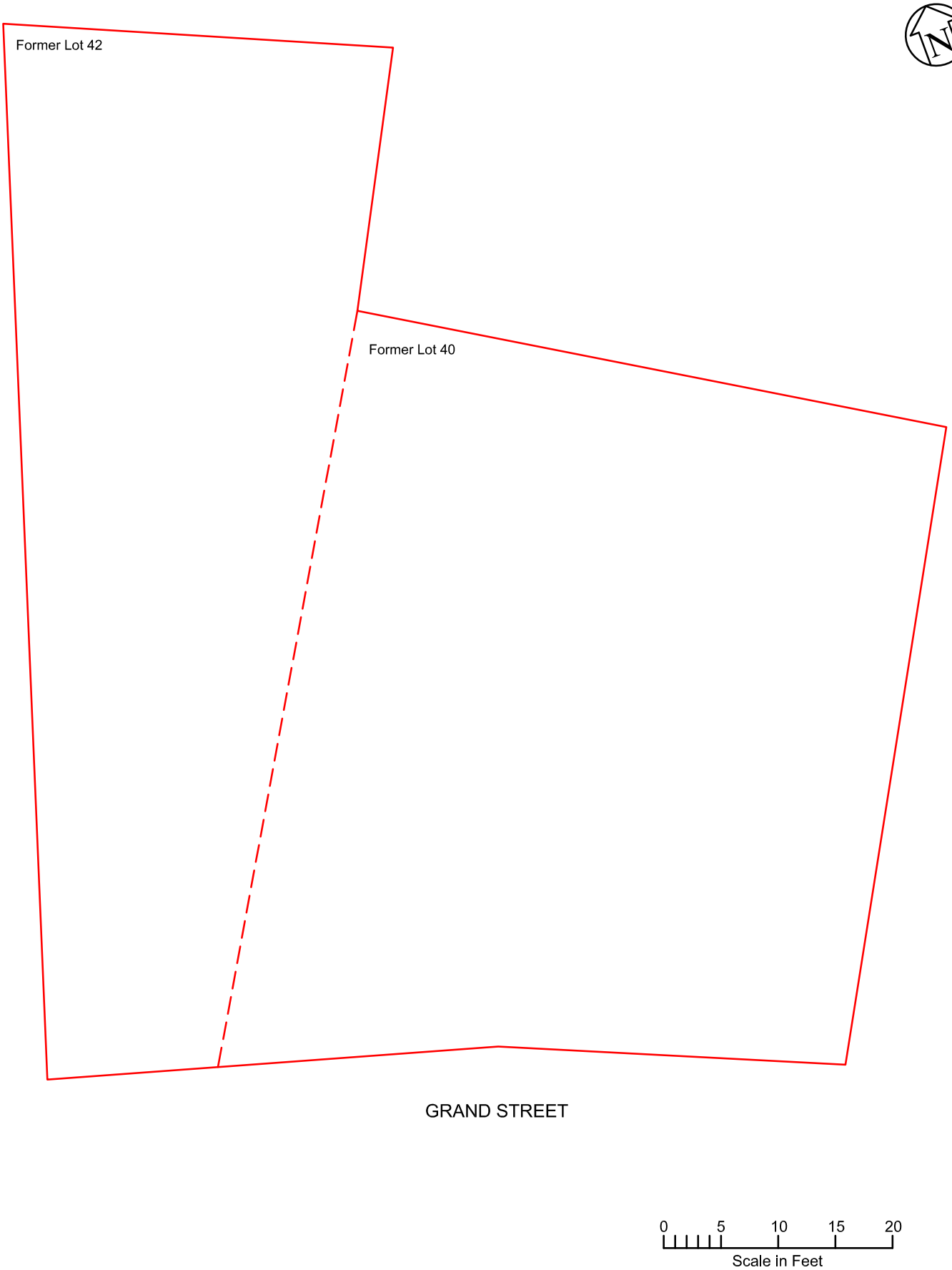
Based on an evaluation of the data and information from the SIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 IMPEDIMENTS TO REMEDIAL ACTION

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

Figure A

Site Map



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DRAWING :

SITE PLAN
89 Grand Street, Brooklyn, NY

FIGURE:
FIGURE - A

Date: January, 2014

Scale: As Shown

Figure B

Site Location Map

Source: http://maps.nyc.gov/doitt/nycitymap/

0 25 50 100
Scale in Feet

N

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DRAWING :

SITE LOCATION MAP
89 Grand Street, Brooklyn, NY

FIGURE:
FIGURE - B

Date: January, 2014

Scale: As Shown

Figure C

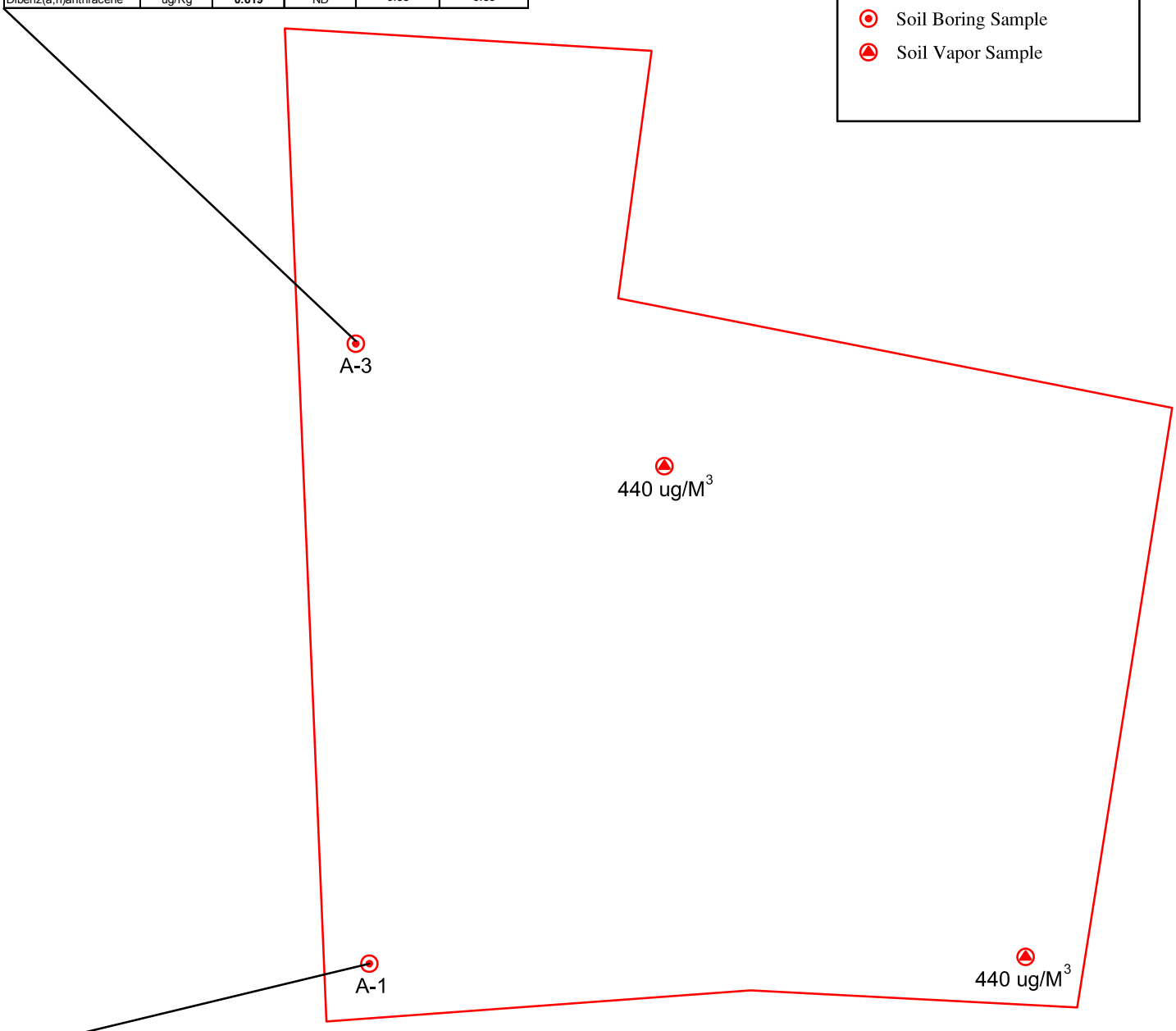
Redevelopment Plan

Drawings were submitted to OER on Nov. 12, 2013,
via "We Transfer".

Figure D

Map of Areas of Concern

Collected Date:		04/24/12	04/24/12	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sample Type:		Grab	Grab		
Sample Name:		A-3 / 2ft	A-3 / 7ft		
Analyte	**Units**				
Benzo(a)anthracene	ug/Kg	**2.75**	ND	1	1
Benzo(a)pyrene	ug/Kg	**2.64**	ND	1	1
Benzo(b)fluoranthene	ug/Kg	**2.11**	ND	1	1
Benzo(k)fluoranthene	ug/Kg	**2.19**	ND	0.8	1
Chrysene	ug/Kg	**2.7**	ND	1	1
Dibenz(a,h)anthracene	ug/Kg	**0.619**	ND	0.33	0.33



Collected Date:		04/24/12	04/24/12	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sample Type:		Grab	Grab		
Sample Name:		A-1 / 0-2'	A-1 / 10-12'		
Analyte	**Units**				
Benzo(a)anthracene	ug/Kg	**1.02**	0.951	1	1
Benzo(a)pyrene	ug/Kg	**1.08**	**1.28**	1	1
Benzo(b)fluoranthene	ug/Kg	0.946	**1.17**	1	1
Benzo(k)fluoranthene	ug/Kg	**0.947**	**1.14**	0.8	1
Chrysene	ug/Kg	**1.07**	**1.14**	1	1
Indeno(1,2,3-cd)pyrene	ug/Kg	**0.797**	**1.13**	0.5	0.5

0 5 10 15 20
Scale in Feet

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DRAWING :

MAP OF AREAS OF CONCERN
89 Grand Street, Brooklyn, NY

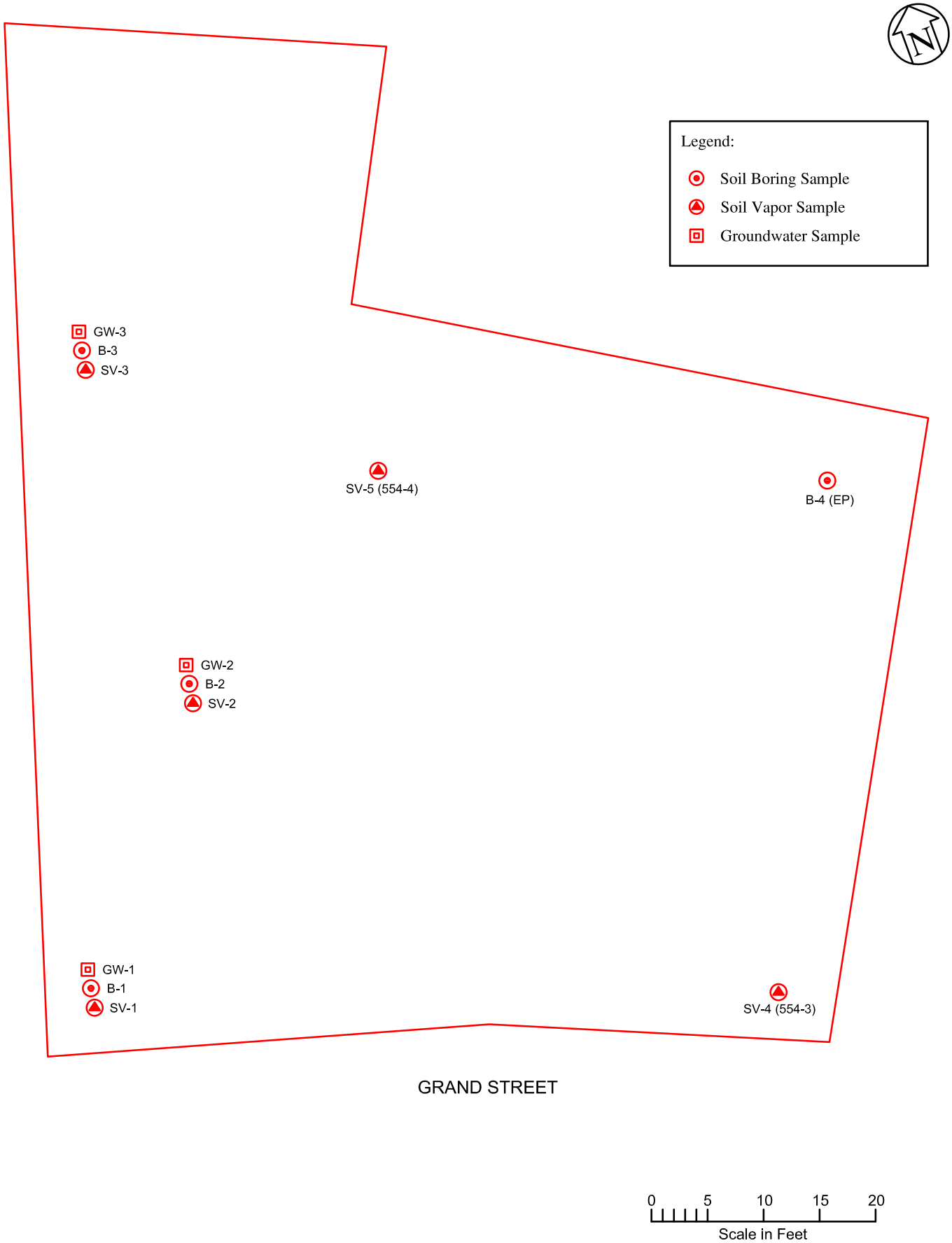
FIGURE:
FIGURE - D

Date: January, 2014

Scale: As Shown

Figure E

Location of Soil Borings, Wells, and Soil Vapor Samples



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DRAWING :

SOIL, GROUNDWATER, & SOIL VAPOR SAMPLE LOCATION MAP
89 Grand Street, Brooklyn, NY

FIGURE:

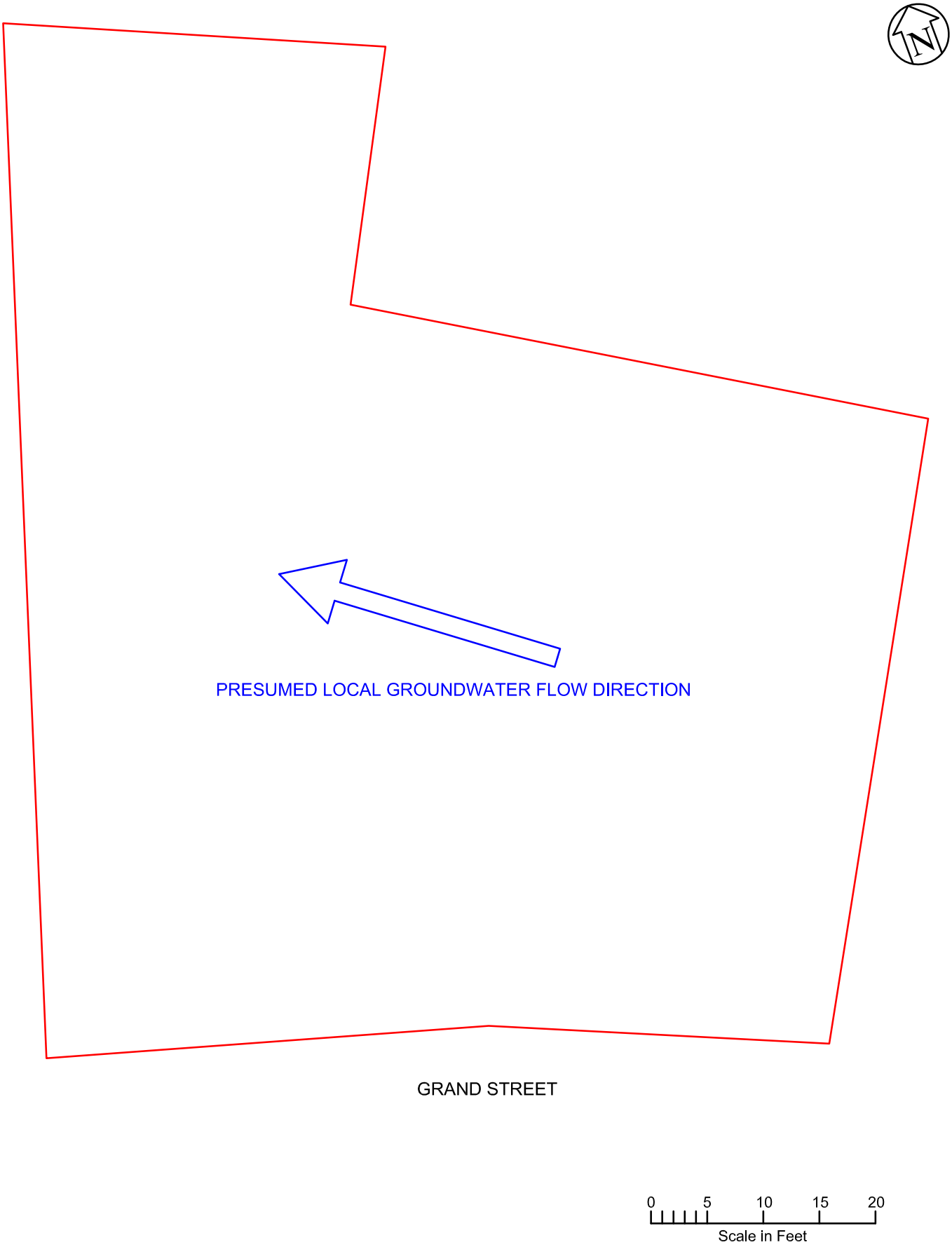
FIGURE - E

Date: January, 2014

Scale: As Shown

Figure F

Groundwater Flow Map



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DRAWING :

GROUNDWATER FLOW MAP
89 Grand Street, Brooklyn, NY

FIGURE:
FIGURE - F

Date: January, 2014

Scale: As Shown

Table 1

Construction Details for Soil Borings and Monitoring Wells

	Identification Number	Date of construction	Total Depth	Diameter	Ground surface elevation	Screened interval (Elevation Range)	Construction Material (PVC, steel, etc)	GPS Coordinates
Soil Borings	A1	4/24/2012	0-25’	2’’-2.5”	25’	0-25’	5’-30’	**Latitude: 40.715611 Longitude: -73.963966**
Soil Borings	A2	4/24/2012	0-25’	2’’-2.5”	25	0-25’	5’-30’	**Latitude: 40.715881 Longitude: -73.963898**
Soil Borings	A3	4/24/2012	0-37’	2’’-2.5”	25’	0-37’	5’-30’	**Latitude: 40.755880 Longitude: -73.963951**
Monitor Wells	A1	4/24/2012	25’	2’’-2.5”	25’	25’	5’PVC Screen-30’ 5’PVC R-60’	**Latitude: 40.715611 Longitude: -73.963966**
Monitor Wells	A2	4/24/2012	25’	2’’-2.5”	25’	25’	5’PVC Screen-30’ 5’PVC R-60’	**Latitude: 40.715881 Longitude: -73.963898**
Monitor Wells	A3	4/24/2012	37’	2’’-2.5”	37’	37’	5’PVC Screen-30’ 5’PVC R-60’	**Latitude: 40.755880 Longitude: -73.963951**

Table 2

Groundwater Level Data

Monitoring Well ID No.	Date	Water Elevation
A1	April 27,2012	25ft
A2	April 27,2012	25ft
A3	April 27,2012	37ft

Table 3

Analytical Methods Summary

Matrix	Number of Samples	Analytical parameters measured	Analytical methods	Number of duplicate samples	Number and type of QA/QC samples
Soil	6	0-25ft	VOC's, SVOC's, PCB's, Pesticides and Metals	0	1 Trip Blank 1 Field Blank
Groundwater	7	25 to 37 ft	VOC's, SVOC's, PCB's, Pesticides and Metals	6	1 Trip Blank 1 Field Blank
Soil vapor	3	25 to 37 ft	VOCs using EPA Method TO-15	0	0

Groundwater Sampling Logs

Sample No.: **A1**
Sample Location: Latitude: 40.715611 & Longitude: -73.963966
Date: April 24, 2012 Groundwater Observations: At 20- 25 Ft

Sample No.: **A2**
Sample Location: Latitude: 40.755881 & Longitude: -73.963898
Date: April 24, 2012 Groundwater Observations: At 20- 25 Ft

Sample No.: A3
Boring location: Latitude: 40.755880 & Longitude: -73.963951
Date: April 24, 2012 Groundwater Observations: At 30- 37 Ft.

Table 4

Soil Analytical Data Summary

EQS Chain of Custody: 1204349
Project: Marion Smit
Address: 87 Grand Street, Brooklyn, NY 11211

Metals by SW846 6010

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
Aluminum	SB	NG	mg/KG	3900	4110	4830	3280	3430	4010	3400	3380	4540
Antimony	SB	NG	mg/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	7.5	16	mg/KG	6.17	14.3	2.54	7.01	3.92	1.71	3.4	2.88	5.01
Barium	300 or SB	350	mg/KG	129	81.7	44.9	46.6	24.2	31.4	44.6	30.2	201
Beryllium	0.16 (HEAST) or SB	14	mg/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	1 or SB	2.5	mg/KG	0.37	0.19	ND	0.7	0.19	ND	ND	0.13	3.36
Calcium	SB	NG	mg/Kg-mg/L	22700	21700	1660	18300	4030	1350	2110	1070	10200
Chromium	10 or SB	36	mg/Kg-mg/L	10.2	37.7	13.1	9.65	8.94	11.2	10.9	10.5	16.3
Cobalt	30 or SB	NG	mg/Kg-mg/L	4.27	4.9	6.19	3.46	4.49	4.46	4.82	4.86	5.47
Copper	25 or SB	270	mg/KG	21	43.6	13.6	43.1	18.9	9.54	17.1	17.4	46.4
Iron	2,000 or SB	NG	mg/Kg-mg/L	11300	23600	14600	10600	13800	10700	20600	17500	18600
Magnesium	SB	NG	mg/Kg-mg/L	2630	2960	2120	2450	2780	1830	1500	1160	2840
Potassium	SB	NG	mg/Kg-mg/L	1700	1340	2270	864	1090	1430	1700	1220	1100
Lead	SB	400	mg/Kg-mg/L	163	97.6	4.78	67.6	9.49	4.01	67.4	42.1	226
Manganese	SB	2,000	mg/Kg-mg/L	206	365	257	147	446	219	279	286	288
Total Mercury	0.1	81	mg/KG	0.43	2	0.022	0.47	0.2	0.01	0.35	0.087	0.42
Nickel	13 or SB	140	mg/Kg-mg/L	10.3	12.3	15.5	9.71	11.9	13	8.68	8.25	13.6
Selenium	2 or SB	36	mg/Kg-mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	SB	36	mg/Kg-mg/L	0.53	ND	ND	0.75	ND	0.49	0.42	ND	0.058
Sodium	SB	NG	mg/Kg-mg/L	303	184	628	192	77.8	242	93.7	63.5	107
Thallium	SB	NG	mg/Kg-mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	150 or SB	NG	mg/Kg-mg/L	20.2	20.2	20.7	14.1	14.7	14.8	20.4	20.2	30.3
Zinc	20 or SB	2,200	mg/Kg-mg/L	117	88.3	20.6	87.6	60.8	15	45.5	54.1	164

All soil cleanup objectives (SCOs) are in parts per million (ppm).

PCBs/Pesticides-EPA 608/SW846 8081A

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
4,4'-DDE	2,100	1,800	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	1.87	ND	28.3
4,4'-DDT	2,100	1,700	ug/Kg-ug/L	29.9	52.9	ND	58.2	ND	ND	51	11.7	296
4,4'-DDD	2,900	2,600	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	10.2
Aldrin	41	19	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	110	97	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	540	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	200	72	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (alpha)	540	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC [g]	300	10,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	44	39	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I[d, f]	900	4,800	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II[d, f]	900	4,800	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate[d, f]	1,000	4,800	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	100	2,200	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	60	280	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	540	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	100	420	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Semivolatile Compounds - EPA 8270C

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
Acenaphthene	50,000	100,000	ug/Kg-ug/L	59.9	59.8	ND	ND	ND	ND	106	ND	70.5
Acenapthylene [f]	41,000	100,000	ug/Kg-ug/L	98.3	111	ND	52.7	ND	ND	284	ND	67
Anthracene [f]	50,000	100,000	ug/Kg-ug/L	211	213	ND	129	ND	ND	613	ND	236
Benz(a)anthracene [f]	224	1,000	ug/Kg-ug/L	1020	951	ND	380	ND	ND	2750	ND	813
Benzo(a)pyrene	61	1,000	ug/Kg-ug/L	1080	1280	ND	384	ND	ND	2640	ND	803
Benzo(b)fluoranthene[f]	1,100	1,000	ug/Kg-ug/L	946	1170	ND	331	ND	ND	2110	ND	674
Benzo(g,h,i)perylene [f]	50,000	100,000	ug/Kg-ug/L	925	1370	ND	ND	ND	ND	1750	ND	573
Benzo(k)fluoranthene[f]	1,100	1,000	ug/Kg-ug/L	947	1140	ND	328	ND	ND	2190	ND	699
bis(2-Ethylhexyl)phthalate	50,000	NG	ug/Kg-ug/L	89.3	ND	ND	386	ND	93.7	3840	124	21500
Butyl benzyl phthalate	50,000	NG	ug/Kg-ug/L	107	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NG	ug/Kg-ug/L	148	213	ND	72.2	ND	ND	105	ND	97.7
Chrysene [f]	400	1,000	ug/Kg-ug/L	1070	1140	ND	494	ND	ND	2700	ND	886
Fluoranthene [f]	50,000	100,000	ug/Kg-ug/L	2140	2220	ND	871	ND	ND	5910	ND	1650
Fluorene	50,000	100,000	ug/Kg-ug/L	53.1	63.2	ND	68.7	ND	ND	176	ND	75
Indeno(1,2,3-cd)pyrene [f]	3,200	500	ug/Kg-ug/L	797	1130	ND	216	ND	ND	ND	ND	506
m-Cresol [f]			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene [f]	13,000	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Cresol [f]			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol [f]			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene [f]	50,000	100,000	ug/Kg-ug/L	1190	1440	ND	926	ND	ND	3170	ND	1190
Phenol			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene[f]	50,000	100,000	ug/Kg-ug/L	1910	1790	ND	975	ND	ND	5330	ND	1780

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Volatile organic compounds-EPA 8260B

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
1,1,1-Trichloroethane [f]	800	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane [f]	200	19,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene[f]			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene[f]	7,900	1,100	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	100	2,300	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis -1,2-Dichloroethene [f]	100	2,300	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene [f]			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene[f]	1,600	17,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8,500	9,800	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	2,900	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene [f]	10,000	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride [f]	600	1,400	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,700	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	300	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene[f]	5,500	30,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene [f]			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether [f]			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	100	51,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
n - Propylbenzene [f]	3,700	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene [f]	10,000	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene[f]	10,000	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,400	5,500	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1,500	100,000	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene [f]	10,000	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene[f]	3,300	NG	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride[f]	200	210	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (mixed)	1,200	1,600	ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

All soil cleanup objectives (SCOs) are in parts per million (ppm).

PCB Aroclors

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
PCB 1016			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1221			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1232			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1242			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1248			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1254			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1260			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Mercury by SW846 7470/7471/EPA 245.1

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
Mercury	0.1	0.81	ug/Kg-ug/L	0.43	2	0.022	0.47	0.2	0.01	0.35	0.087	0.42

TAGM Herbicides by SW 846 8321A

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
2,4,5-T			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex(2,4,5-TP)			ug/Kg-ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Hexavalent Chromium by SM 3500D

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
Chromium +6	10 or SB	36	mg/Kg-mg/L	ND	ND	2.4	ND	ND	3.6	ND	ND	ND

Trivalent Chromium

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
Chromium +3	10 or SB	36	mg/Kg-mg/L	10.2	37.7	10.7	9.65	8.94	7.6	10.9	10.5	16.3

Total Cyanide by SM 4500-CN C

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Collected Date:				04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12	04/24/12
Sample Name:				A-1 -0-2' depth	A-1 - 10-12' depth	A-1 -2' above ground water	A-2 -0-2' depth	A-2 -10-12 depth	A-2 - 2' above ground water	A-3 - 2ft depth	A-3 - 7ft depth	A-3 -10-12 depth
Chromium +6	10 or SB	36	mg/Kg-mg/L	<0.079	<0.080	<0.088	<0.080	<0.080	<0.086	<0.080	<0.076	<0.080
Flash Point			°C	100	100	100	100	100	100	100	100	100
pH			pH Units	NR	NR	NR	NR	NR	NR	NR	NR	NR
pH			pH Units	9.35	7.66	8.28	9.71	9.58	3.95	9.11	8.08	9.21
Releasable Cyanide			mg/Kg-mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Releasable H2 Sulfide			mg/Kg-mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
% Solids			%	88.5	87	79.1	87.3	87.2	81.1	87.6	91.6	88

EQS Chain of Custody: 1205411
Project: Marion Smit
Address: 89 Grand Street, Brooklyn, NY11211

Metals by SW846 6010

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results
Collected Date:				05/31/12	05/31/12	05/31/12
Sample Name:				Elevator Pit @ 0-2ft	Elevator Pit @ 6ft	Field blank
Aluminum	SB	NG	mg/KG	2720	1180	0.094
Antimony	SB	NG	mg/KG	ND	ND	ND
Arsenic	7.5	16	mg/KG	ND	ND	ND
Barium	300 or SB	350	mg/KG	44.4	23.3	0.0053
Beryllium	0.16 (HEAST) or SB	14	mg/KG	ND	ND	ND
Cadmium	1 or SB	2.5	mg/KG	ND	0.2	ND
Calcium	SB	NG	mg/Kg-mg/L	6670	18100	0.34
Chromium	10 or SB	36	mg/Kg-mg/L	5.9	18.9	ND
Cobalt	30 or SB	NG	mg/Kg-mg/L	3.36	2.56	ND
Copper	25 or SB	270	mg/KG	8.79	188	ND
Iron	2,000 or SB	NG	mg/Kg-mg/L	6170	7730	0.27
Lead	SB	400	mg/Kg-mg/L	3.16	35.2	ND
Magnesium	SB	NG	mg/Kg-mg/L	3260	8690	ND
Manganese	SB	2,000	mg/Kg-mg/L	168	56.9	0.05
Nickel	13 or SB	140	mg/Kg-mg/L	10.5	13.5	ND
Potassium	SB	NG	mg/Kg-mg/L	933	164	0.87
Selenium	2 or SB	36	mg/Kg-mg/L	ND	ND	ND
Silver	SB	36	mg/Kg-mg/L	ND	ND	ND
Sodium	SB	NG	mg/Kg-mg/L	124	91.6	0.84
Thallium	SB	NG	mg/Kg-mg/L	ND	ND	ND
Vanadium	150 or SB	NG	mg/Kg-mg/L	10	15.7	ND
Zinc	20 or SB	2,200	mg/Kg-mg/L	11.6	126	0.055

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Pesticides-EPA 608/SW846 8081A

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results
Collected Date:				05/31/12	05/31/12	05/31/12
Sample Name:				Elevator Pit @ 0-2ft	Elevator Pit @ 6ft	Field blank
alpha-BHC	110	97	ug/Kg-ug/L	ND	ND	ND
gamma-BHC (Lindane)	60	280	ug/Kg-ug/L	ND	ND	ND
beta-BHC	200	72	ug/Kg-ug/L	ND	ND	ND
delta-BHC	300	10,000	ug/Kg-ug/L	ND	ND	ND
Heptachlor	100	420	ug/Kg-ug/L	ND	ND	ND
Aldrin	41	19	ug/Kg-ug/L	ND	ND	ND
Heptachlor epoxide	20	NG	ug/Kg-ug/L	ND	ND	ND
gamma-Chlordane	540	NG	ug/Kg-ug/L	ND	ND	ND
alpha-Chlordane	540	NG	ug/Kg-ug/L	ND	ND	ND
4,4'-DDE	2,100	1,800	ug/Kg-ug/L	ND	ND	ND
Endosulfan I	900	4,800	ug/Kg-ug/L	ND	ND	ND
Dieldrin	44	39	ug/Kg-ug/L	ND	ND	ND
Endrin	100	2,200	ug/Kg-ug/L	ND	ND	ND
4,4'-DDD	2,900	2,600	ug/Kg-ug/L	ND	ND	ND
Endosulfan II	900	4,800	ug/Kg-ug/L	ND	ND	ND
4,4'-DDT	2,100	1,700	ug/Kg-ug/L	ND	ND	ND
Endosulfan sulfate	1,000	4,800	ug/Kg-ug/L	ND	ND	ND
Endrin Aldehyde	NS	NG	ug/Kg-ug/L	ND	ND	ND
Methoxychlor	NS	NG	ug/Kg-ug/L	ND	ND	ND
Endrin ketone			ug/Kg-ug/L	ND	ND	ND
Toxaphene	NS	NG	ug/Kg-ug/L	ND	ND	ND
Chlordane	540	NG	ug/Kg-ug/L	ND	ND	ND

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Semivolatile Compounds - EPA 8270C

Sample Type: Grab
Collected Date:
Sample Name:

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	05/31/12 Elevator Pit @ 0-2ft Results	05/31/12 Elevator Pit @ 6ft Results	05/31/12 Field blank Results
1,2,4-Trichlorobenzene	NS	NG	ug/Kg-ug/L	ND	ND	ND
1,2-Dichlorobenzene	NS	NG	ug/Kg-ug/L	ND	ND	ND
1,2-Diphenylhydrazine			ug/Kg-ug/L	ND	ND	ND
1,3-Dichlorobenzene	NS	NG	ug/Kg-ug/L	ND	ND	ND
1,4-Dichlorobenzene	NS	NG	ug/Kg-ug/L	ND	ND	ND
2,3,4,6-Tetrachlorophenol			ug/Kg-ug/L	ND	ND	ND
2,4,5-Trichlorophenol			ug/Kg-ug/L	ND	ND	ND
2,4,6-Trichlorophenol			ug/Kg-ug/L	ND	ND	ND
2,4-Dichlorophenol			ug/Kg-ug/L	ND	ND	ND
2,4-Dimethylphenol			ug/Kg-ug/L	ND	ND	ND
2,4-Dinitrophenol			ug/Kg-ug/L	ND	ND	ND
2,4-Dinitrotoluene	NS	NG	ug/Kg-ug/L	ND	ND	ND
2,6-Dinitrotoluene	1,000	NG	ug/Kg-ug/L	ND	ND	ND
2-Chloronaphthalene	NS	NG	ug/Kg-ug/L	ND	ND	ND
2-Chlorophenol			ug/Kg-ug/L	ND	ND	ND
2-Methylnaphthalene	36,400	NG	ug/Kg-ug/L	ND	140	ND
2-Methylphenol			ug/Kg-ug/L	ND	ND	ND
2-Nitroaniline	430	NG	ug/Kg-ug/L	ND	ND	ND
2-Nitrophenol			ug/Kg-ug/L	ND	ND	ND
3+4-Methylphenol			ug/Kg-ug/L	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NG	ug/Kg-ug/L	ND	ND	ND
3-Nitroaniline	500	NG	ug/Kg-ug/L	ND	ND	ND
4,6-Dinitro-2-methylphenol			ug/Kg-ug/L	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NG	ug/Kg-ug/L	ND	ND	ND
4-Chloro-3-methylphenol			ug/Kg-ug/L	ND	ND	ND
4-Chloroaniline	NS	NG	ug/Kg-ug/L	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NG	ug/Kg-ug/L	ND	ND	ND
4-Nitroaniline	NS	NG	ug/Kg-ug/L	ND	ND	ND
4-Nitrophenol			ug/Kg-ug/L	ND	ND	ND
Acenaphthene	50,000	100,000	ug/Kg-ug/L	ND	ND	ND
Acenaphthylene	41,000	100,000	ug/Kg-ug/L	ND	ND	ND
Aniline			ug/Kg-ug/L	ND	ND	ND
Anthracene	50,000	100,000	ug/Kg-ug/L	ND	ND	ND
Benzidine			ug/Kg-ug/L	ND	ND	ND
Benzo(a)anthracene	224	1,000	ug/Kg-ug/L	ND	ND	ND
Benzo(a)pyrene	61	1,000	ug/Kg-ug/L	ND	ND	ND
Benzo(b)fluoranthene	1,100	1,000	ug/Kg-ug/L	ND	ND	ND
Benzo(g,h,i)perylene	50,000	100,000	ug/Kg-ug/L	ND	ND	ND
Benzo(k)fluoranthene	1,100	1,000	ug/Kg-ug/L	ND	ND	ND
Benzoic acid			ug/Kg-ug/L	ND	ND	ND
Benzyl alcohol			ug/Kg-ug/L	ND	ND	ND
Butyl benzyl phthalate	50,000	NG	ug/Kg-ug/L	ND	ND	ND
Carbazole	NS	NG	ug/Kg-ug/L	ND	ND	ND
Chrysene	400	1,000	ug/Kg-ug/L	ND	ND	ND
Cresols			ug/Kg-ug/L	ND	ND	ND
Di-n-butyl phthalate	8,100	NG	ug/Kg-ug/L	ND	ND	ND
Di-n-octyl phthalate	50,000	NG	ug/Kg-ug/L	ND	ND	ND
Dibenz(a,h)anthracene	143	330	ug/Kg-ug/L	ND	ND	ND
Dibenzofuran	6,200	14,000	ug/Kg-ug/L	ND	ND	ND
Diethyl phthalate	7,100	NG	ug/Kg-ug/L	ND	ND	ND
Dimethyl phthalate	2,000	NG	ug/Kg-ug/L	ND	ND	ND
Fluoranthene	50,000	100,000	ug/Kg-ug/L	ND	ND	ND
Fluorene	50,000	100,000	ug/Kg-ug/L	ND	ND	ND
Hexachlorobenzene	410	NG	ug/Kg-ug/L	ND	ND	ND
Hexachlorobutadiene	NS	NG	ug/Kg-ug/L	ND	ND	ND
Hexachlorocyclopentadiene	NS	NG	ug/Kg-ug/L	ND	ND	ND
Hexachloroethane	NS	NG	ug/Kg-ug/L	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3,200	500	ug/Kg-ug/L	ND	ND	ND
Isophorone	4,400	NG	ug/Kg-ug/L	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	NG	ug/Kg-ug/L	ND	ND	ND
N-Nitrosodimethylamine			ug/Kg-ug/L	ND	ND	ND
N-Nitrosodiphenylamine	NS	NG	ug/Kg-ug/L	ND	ND	ND
Naphthalene	13,000	100,000	ug/Kg-ug/L	ND	ND	ND
Nitrobenzene	200	NG	ug/Kg-ug/L	ND	ND	ND
Pentachlorophenol			ug/Kg-ug/L	ND	ND	ND
Phenanthrene	50,000	100,000	ug/Kg-ug/L	ND	250	ND
Phenol			ug/Kg-ug/L	ND	ND	ND
Pyrene	50,000	100,000	ug/Kg-ug/L	ND	ND	ND
Pyridine			ug/Kg-ug/L	ND	ND	ND
bis(2-Chloroethoxy)methane	NS	NG	ug/Kg-ug/L	ND	ND	ND
bis(2-Chloroethyl)ether	NS	NG	ug/Kg-ug/L	ND	ND	ND
bis(2-Chloroisopropyl)ether	NS	NG	ug/Kg-ug/L	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50,000	NG	ug/Kg-ug/L	ND	ND	ND

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Volatile organic compounds-EPA 8260B

Sample Type: Grab

Collected Date:				**05/31/12**	**05/31/12**	**05/31/12**	**05/31/12**
Sample Name:				**Elevator Pit @ 0-2ft**	**Elevator Pit @ 6ft**	**Field blank**	**Trip blank**
Contaminant	**NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives**	**6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives**	**Units**	**Results**	**Results**	**Results**	**Results**
Acetone			ug/Kg-ug/L	ND	ND	ND	ND
Carbon Tetrachloride	600	1,400	ug/Kg-ug/L	ND	ND	ND	ND
Chloroform	300	100,000	ug/Kg-ug/L	ND	ND	ND	ND
Benzene	60	2,900	ug/Kg-ug/L	ND	ND	ND	ND
1,1,1-Trichloroethane	800	100,000	ug/Kg-ug/L	ND	ND	ND	ND
Bromomethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Chloromethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Dibromomethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Bromochloromethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Chloroethane	1,900	NG	ug/Kg-ug/L	ND	ND	ND	ND
Vinyl Chloride	200	210	ug/Kg-ug/L	ND	ND	ND	ND
Methylene Chloride	100	51,000	ug/Kg-ug/L	ND	ND	ND	ND
Carbon disulfide			ug/Kg-ug/L	ND	ND	ND	ND
Bromoform	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Bromodichloromethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
1,1-Dichloroethane	200	19,000	ug/Kg-ug/L	ND	ND	ND	ND
1,1-Dichloroethene	200	19,000	ug/Kg-ug/L	ND	ND	ND	ND
Tertiary butyl alcohol			ug/Kg-ug/L	ND	ND	ND	ND
Trichlorofluoromethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane			ug/Kg-ug/L	ND	ND	ND	ND
1,2-Dichloropropane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
2-Butanone			ug/Kg-ug/L	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Trichloroethene			ug/Kg-ug/L	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	600	NG	ug/Kg-ug/L	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10,000	NG	ug/Kg-ug/L	ND	ND	ND	ND
Hexachlorobutadiene	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Naphthalene	13,000	100,000	ug/Kg-ug/L	ND	ND	ND	ND
o-xylene	1,200	100,000	ug/Kg-ug/L	ND	ND	ND	ND
2-Chlorotoluene	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
1,2-Dichlorobenzene	7,900	1,100	ug/Kg-ug/L	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10,000	NG	ug/Kg-ug/L	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene			ug/Kg-ug/L	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
1,2,3-Trichloropropane	400	NG	ug/Kg-ug/L	ND	ND	ND	ND
tert-Butylbenzene			ug/Kg-ug/L	ND	ND	ND	ND
Isopropylbenzene	2,300	NG	ug/Kg-ug/L	ND	ND	ND	ND
4-Isopropyltoluene			ug/Kg-ug/L	ND	ND	ND	ND
Ethylbenzene	5,500	30,000	ug/Kg-ug/L	ND	ND	ND	ND
Styrene	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
n-Propylbenzene	3,700	100,000	ug/Kg-ug/L	ND	ND	ND	ND
n-Butylbenzene	10,000	100,000	ug/Kg-ug/L	ND	ND	ND	ND
p-Diethylbenzene			ug/Kg-ug/L	ND	ND	ND	ND
4-Chlorotoluene	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
1,4-Dichlorobenzene	8,500	9,800	ug/Kg-ug/L	ND	ND	ND	ND
1,2-Dibromoethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
1,2-Dichloroethane	100	2,300	ug/Kg-ug/L	ND	ND	ND	ND
Acrylonitrile			ug/Kg-ug/L	ND	ND	ND	ND
4-Methyl-2-pentanone			ug/Kg-ug/L	ND	ND	ND	ND
m,p-xylene	1,200	1,600	ug/Kg-ug/L	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3,300	NG	ug/Kg-ug/L	ND	ND	ND	ND
Bromobenzene	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Toluene	1,500	100,000	ug/Kg-ug/L	ND	ND	ND	ND
Chlorobenzene	1,700	100,000	ug/Kg-ug/L	ND	ND	ND	ND
2-Chloroethylvinylether			ug/Kg-ug/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Dibromochloromethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
Tetrachloroethene			ug/Kg-ug/L	ND	ND	ND	ND
sec-Butylbenzene	10,000	100,000	ug/Kg-ug/L	ND	ND	ND	ND
1,3-Dichloropropane	300	NG	ug/Kg-ug/L	ND	ND	ND	ND
c-1,2-Dichloroethene			ug/Kg-ug/L	ND	ND	ND	ND
t-1,2-Dichloroethene			ug/Kg-ug/L	ND	ND	ND	ND
1,3-Dichlorobenzene	1,600	17,000	ug/Kg-ug/L	ND	ND	ND	ND
1,1-Dichloropropene			ug/Kg-ug/L	ND	ND	ND	ND
2,2-Dichloropropane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
2-Hexanone			ug/Kg-ug/L	ND	ND	ND	ND
p-Ethyltoluene			ug/Kg-ug/L	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	NS	NG	ug/Kg-ug/L	ND	ND	ND	ND
TAME			ug/Kg-ug/L	ND	ND	ND	ND
Methyl t-butyl ether			ug/Kg-ug/L	ND	ND	ND	ND
c-1,3-Dichloropropene			ug/Kg-ug/L	ND	ND	ND	ND
t-1,3-Dichloropropene			ug/Kg-ug/L	ND	ND	ND	ND

All soil cleanup objectives (SCOs) are in parts per million (ppm).

PCB Aroclors

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results
Collected Date:				05/31/12	05/31/12	05/31/12
Sample Name:				Elevator Pit @ 0-2ft	Elevator Pit @ 6ft	Field blank
PCB 1016			ug/Kg-ug/L	ND	ND	ND
PCB 1221			ug/Kg-ug/L	ND	ND	ND
PCB 1232			ug/Kg-ug/L	ND	ND	ND
PCB 1242			ug/Kg-ug/L	ND	ND	ND
PCB 1248			ug/Kg-ug/L	ND	ND	ND
PCB 1254			ug/Kg-ug/L	ND	ND	ND
PCB 1260			ug/Kg-ug/L	ND	ND	ND

Mercury by SW846 7470/7471/EPA 245.1

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results
Collected Date:				05/31/12	05/31/12	05/31/12
Sample Name:				Elevator Pit @ 0-2ft	Elevator Pit @ 6ft	Field blank
Mercury	0.1	0.81	ug/Kg-ug/L	ND	ND	ND

TAGM Herbicides by SW 846 8321A

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results
Collected Date:				05/31/12	05/31/12	05/31/12
Sample Name:				Elevator Pit @ 0-2ft	Elevator Pit @ 6ft	Field blank
2,4,5-T			ug/Kg-ug/L	ND	ND	ND
2,4-D			ug/Kg-ug/L	ND	ND	ND
Silvex(2,4,5-TP)			ug/Kg-ug/L	ND	ND	ND

Hexavalent Chromium by SM 3500D

Sample Type: Grab

Contaminant	NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives	Units	Results	Results	Results
Collected Date:				05/31/12	05/31/12	05/31/12
Sample Name:				Elevator Pit @ 0-2ft	Elevator Pit @ 6ft	Field blank
Chromium +6	10 or SB	36	mg/Kg-mg/L	0.030	0.13	ND

Trivalent Chromium

Sample Type: Grab

Collected Date:				**05/31/12**	**05/31/12**	**05/31/12**
Sample Name:				**Elevator Pit @ 0-2ft**	**Elevator Pit @ 6ft**	**Field blank**
Contaminant	**NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives**	**6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives**	**Units**	**Results**	**Results**	**Results**
Chromium +3	10 or SB	36	mg/Kg-mg/L	5.87	18.8	ND

Total Cyanide by SM 4500-CN C

Sample Type: Grab

Collected Date:				**05/31/12**	**05/31/12**	**05/31/12**
Sample Name:				**Elevator Pit @ 0-2ft**	**Elevator Pit @ 6ft**	**Field blank**
Contaminant	**NYSEDC TAGM #4046 Recommended Soil Cleanup Objectives**	**6 NYCRR Part 375-6.8 (b) Brownfield Soil Residential Soil Cleanup Objectives**	**Units**	**Results**	**Results**	**Results**
Chromium +6	10 or SB	36	mg/Kg-mg/L	ND	ND	ND
Flash Point			°C	>100	>100	>100
pH-Liquid			pH Units	NR	NR	5.89
pH-Soil			pH Units	9.35	7.66	NR
Releasable Cyanide			mg/Kg-mg/L	<0.10	<0.10	<0.10
Releasable H2 Sulfide			mg/Kg-mg/L	<0.010	<0.010	<0.010
% Solids			%	88.5	87	NR

Table 5

Groundwater Analytical Data Summary

EQS Chain of Custody: 1204372
Project: Marion Smit
Address: 87 Grand Street, Brooklyn, NY11211

Metals by SW846 6010

Matrix : Liquid
Sample Type: Grab

Collected Date:		**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	
Sample Name:		**A- 1 25' depth**	**A-2 -25' depth**	**A-3 - 37ft depth**	Field Blank	Trip Blank	
Contaminant	**Units**	**Results**	**Results**	**Results**	**Results**	**Results**	**NYSDEC TOGS 1.1.1. Groundwater Quality Standards**
Aluminum	mg/L	19.6	40.8	46.8	ND	NR	NS
Antimony	mg/L	ND	ND	ND	ND	NR	3
Arsenic	mg/L	0.015	0.021	0.02	ND	NR	25
Barium	mg/L	0.14	0.33	0.28	ND	NR	1000
Beryllium	mg/L	ND	ND	ND	ND	NR	3
Cadmium	mg/L	ND	ND	ND	ND	NR	5
Calcium	mg/L	77	63.4	61.7	0.057	NR	NS
Chromium	mg/L	0.075	0.092	0.1	ND	NR	50
Cobalt	mg/L	0.02	0.047	0.05	0.001	NR	NS
Copper	mg/L	0.05	0.14	0.12	0.0077	NR	200
Iron	mg/L	28.6	81.7	83.5	ND	NR	300
Lead	mg/L	0.015	0.055	0.032	ND	NR	25
Magnesium	mg/L	12.5	18.5	20.8	ND	NR	35,000
Manganese	mg/L	1.33	3.17	3.2	0.0049	NR	300
Nickel	mg/L	0.082	0.17	0.18	ND	NR	100
Potassium	mg/L	8.19	15.2	15.2	0.4	NR	NS
Selenium	mg/L	ND	ND	ND	ND	NR	10
Silver	mg/L	ND	ND	ND	ND	NR	50
Sodium	mg/L	26.3	16.9	23	0.073	NR	20,000
Thallium	mg/L	ND	ND	ND	ND	NR	NS
Vanadium	mg/L	0.047	0.095	0.11	ND	NR	NS
Zinc	mg/L	0.066	0.18	0.15	0.023	NR	5,000
Aluminum	mg/L	0.89	1.05	0.36	NR	NR	NS
Antimony	mg/L	ND	ND	ND	NR	NR	3
Arsenic	mg/L	0.01	ND	ND	NR	NR	25
Barium	mg/L	0.049	0.061	0.046	NR	NR	1,000
Beryllium	mg/L	ND	ND	ND	NR	NR	3
Cadmium	mg/L	ND	ND	ND	NR	NR	5
Calcium	mg/L	121	159	113	NR	NR	NS
Chromium	mg/L	0.012	0.021	0.0079	NR	NR	50
Cobalt	mg/L	ND	ND	ND	NR	NR	NS
Copper	mg/L	ND	ND	ND	NR	NR	200
Iron	mg/L	1.24	1.24	0.46	NR	NR	300
Lead	mg/L	0.0041	0.01	0.0028	NR	NR	25
Magnesium	mg/L	10.9	13.9	10.6	NR	NR	35,000
Manganese	mg/L	0.23	0.25	0.14	NR	NR	300
Nickel	mg/L	0.01	0.014	0.007	NR	NR	100
Potassium	mg/L	5.93	7.61	5.68	NR	NR	NS
Selenium	mg/L	ND	0.064	ND	NR	NR	10
Silver	mg/L	ND	ND	ND	NR	NR	50
Sodium	mg/L	41.1	51.6	42.8	NR	NR	20,000
Thallium	mg/L	ND	ND	ND	NR	NR	NS
Vanadium	mg/L	0.0035	0.0043	0.0018	NR	NR	NS
Zinc	mg/L	0.024	0.061	0.05	NR	NR	5,000

Semivolatile Compounds - EPA 8270C

Matrix : Liquid
Sample Type: Grab

Collected Date:		**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	
Sample Name:		**A- 1 25' depth**	**A-2 -25' depth**	**A-3 - 37ft depth**	Field Blank	Trip Blank	
Contaminant	**Units**	**Results**	**Results**	**Results**	**Results**	**Results**	**NYSDEC TOGS 1.1.1. Groundwater Quality Standards**
1,2,4-Trichlorobenzene	ug/L	ND	ND	ND	ND	ND	5
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	3
1,2-Diphenylhydrazine	ug/L	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	3
2,3,4,6-Tetrachlorophenol	ug/L	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ug/L	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ug/L	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ug/L	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ug/L	ND	ND	ND	ND	ND	
2,4-Dinitrophenol	ug/L	ND	ND	ND	ND	ND	
2,4-Dinitrotoluene	ug/L	ND	ND	ND	ND	ND	5
2,6-Dinitrotoluene	ug/L	ND	ND	ND	ND	ND	5
2-Chloronaphthalene	ug/L	ND	ND	ND	ND	ND	10
2-Chlorophenol	ug/L	ND	ND	ND	ND	ND	
2-Methylnaphthalene	ug/L	ND	ND	ND	ND	ND	4.7
2-Methylphenol	ug/L	ND	ND	ND	ND	ND	
2-Nitroaniline	ug/L	ND	ND	ND	ND	ND	5
2-Nitrophenol	ug/L	ND	ND	ND	ND	ND	
3+4-Methylphenol	ug/L	ND	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	ug/L	ND	ND	ND	ND	ND	5
3-Nitroaniline	ug/L	ND	ND	ND	ND	ND	5
4,6-Dinitro-2-methylphenol	ug/L	ND	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ug/L	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ug/L	ND	ND	ND	ND	ND	
4-Chloroaniline	ug/L	ND	ND	ND	ND	ND	5
4-Chlorophenyl phenyl ether	ug/L	ND	ND	ND	ND	ND	NS
4-Nitroaniline	ug/L	ND	ND	ND	ND	ND	5
4-Nitrophenol	ug/L	ND	ND	ND	ND	ND	
Acenaphthene	ug/L	ND	ND	ND	ND	ND	20
Acenaphthylene	ug/L	ND	ND	ND	ND	ND	NS
Aniline	ug/L	ND	ND	ND	ND	ND	
Anthracene	ug/L	ND	ND	ND	ND	ND	50
Benzidine	ug/L	ND	ND	ND	ND	ND	
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	NS
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	NS
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	ND	ND	NS
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.002
Benzoic acid	ug/L	ND	ND	ND	ND	ND	
Benzyl alcohol	ug/L	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ug/L	ND	ND	ND	ND	ND	NS
bis(2-Chloroethyl)ether	ug/L	ND	ND	ND	ND	ND	1
bis(2-Chloroisopropyl)ether	ug/L	ND	ND	ND	ND	ND	NS
bis(2-Ethylhexyl)phthalate	ug/L	ND	ND	ND	ND	ND	5
Butyl benzyl phthalate	ug/L	ND	ND	ND	ND	ND	50
Carbazole	ug/L	ND	ND	ND	ND	ND	
Chrysene	ug/L	ND	ND	ND	ND	ND	0.002
Cresols	ug/L	ND	ND	ND	ND	ND	
Di-n-butyl phthalate	ug/L	ND	ND	ND	ND	ND	50
Di-n-octyl phthalate	ug/L	ND	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	NS
Dibenzofuran	ug/L	ND	ND	ND	ND	ND	NS
Diethyl phthalate	ug/L	ND	ND	ND	ND	ND	NS
Dimethyl phthalate	ug/L	ND	ND	ND	ND	ND	NS
Fluoranthene	ug/L	ND	ND	ND	ND	ND	50
Fluorene	ug/L	ND	ND	ND	ND	ND	50
Hexachlorobenzene	ug/L	ND	ND	ND	ND	ND	0.04
Hexachlorobutadiene	ug/L	ND	ND	ND	ND	ND	5
Hexachlorocyclopentadiene	ug/L	ND	ND	ND	ND	ND	5
Hexachloroethane	ug/L	ND	ND	ND	ND	ND	5
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	ND	ND	ND	0.002
Isophorone	ug/L	ND	ND	ND	ND	ND	0
N-Nitrosodi-n-propylamine	ug/L	ND	ND	ND	ND	ND	NS
N-Nitrosodimethylamine	ug/L	ND	ND	ND	ND	ND	
N-Nitrosodiphenylamine	ug/L	ND	ND	ND	ND	ND	50
Naphthalene	ug/L	ND	ND	ND	ND	ND	10
Nitrobenzene	ug/L	ND	ND	ND	ND	ND	0.4
Pentachlorophenol	ug/L	ND	ND	ND	ND	ND	
Phenanthrene	ug/L	ND	ND	ND	ND	ND	50
Phenol	ug/L	ND	ND	ND	ND	ND	
Pyrene	ug/L	ND	ND	ND	ND	ND	50
Pyridine	ug/L	ND	ND	ND	ND	ND	

Volatiles - EPA 8260B

Matrix : Liquid

Contaminant	Units	Results	Results	Results	Results	Results	NYSDEC TOGS 1.1.1. Groundwater Quality Standards
Collected Date:		**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	
Sample Name:		**A- 1 25' depth**	**A-2 -25' depth**	**A-3 - 37ft depth**	Field Blank	Trip Blank	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	3
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	5
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	1
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	5
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	5
1,1-Dichloropropene	ug/L	ND	ND	ND	ND	ND	5
1,2,3-Trichlorobenzene	ug/L	ND	ND	ND	ND	ND	5
1,2,3-Trichloropropane	ug/L	ND	ND	ND	ND	ND	0.04
1,2,4,5-Tetramethylbenzene	ug/L	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ug/L	ND	ND	ND	ND	ND	5
1,2,4-Trimethylbenzene	ug/L	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-chloropropane	ug/L	ND	ND	ND	ND	ND	0.04
1,2-Dibromoethane	ug/L	ND	ND	ND	ND	ND	5
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	3
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	5
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	1
1,3,5-Trimethylbenzene	ug/L	ND	ND	ND	ND	ND	5
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	3
1,3-Dichloropropane	ug/L	ND	ND	ND	ND	ND	5
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	3
2,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	5
2-Butanone	ug/L	ND	ND	ND	ND	ND	
2-Chloroethylvinylether	ug/L	ND	ND	ND	ND	ND	
2-Chlorotoluene	ug/L	ND	ND	ND	ND	ND	5
2-Hexanone	ug/L	ND	ND	ND	ND	ND	
4-Chlorotoluene	ug/L	ND	ND	ND	ND	ND	5
4-Isopropyltoluene	ug/L	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND	ND	
Acetone	ug/L	ND	ND	ND	ND	ND	
Acrylonitrile	ug/L	ND	ND	ND	ND	ND	
Benzene	ug/L	ND	ND	ND	ND	ND	1
Bromobenzene	ug/L	ND	ND	ND	ND	ND	5
Bromochloromethane	ug/L	ND	ND	ND	ND	ND	5
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	NS
Bromoform	ug/L	ND	ND	ND	ND	ND	NS
Bromomethane	ug/L	ND	ND	ND	ND	ND	5
c-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	
c-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	
Carbon disulfide	ug/L	ND	ND	ND	ND	ND	
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	5
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	5
Chloroethane	ug/L	ND	ND	ND	ND	ND	5
Chloroform	ug/L	ND	ND	ND	ND	ND	7
Chloromethane	ug/L	ND	ND	ND	ND	ND	NS
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	50
Dibromomethane	ug/L	ND	ND	ND	ND	ND	5
Dichlorodifluoromethane	ug/L	ND	ND	ND	ND	ND	NS
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	5
Hexachlorobutadiene	ug/L	ND	ND	ND	ND	ND	5
Isopropylbenzene	ug/L	ND	ND	ND	ND	ND	5
m,p-xylene	ug/L	ND	ND	ND	ND	ND	5
Methyl t-butyl ether	ug/L	ND	ND	ND	ND	ND	
Methylene Chloride	ug/L	ND	ND	ND	4.15	ND	5
n-Butylbenzene	ug/L	ND	ND	ND	ND	ND	5
n-Propylbenzene	ug/L	ND	ND	ND	ND	ND	
Naphthalene	ug/L	0.93	0.76	1.97	ND	ND	10
o-xylene	ug/L	ND	ND	ND	ND	ND	5
p-Diethylbenzene	ug/L	ND	ND	ND	ND	ND	
p-Ethyltoluene	ug/L	ND	ND	ND	ND	ND	
sec-Butylbenzene	ug/L	ND	ND	ND	ND	ND	5
Styrene	ug/L	ND	ND	ND	ND	ND	5
t-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	
t-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	
TAME	ug/L	ND	ND	ND	ND	ND	
tert-Butylbenzene	ug/L	ND	ND	ND	ND	ND	
Tertiary butyl alcohol	ug/L	ND	ND	ND	ND	ND	
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	
Toluene	ug/L	ND	ND	ND	ND	ND	5
Trichloroethene	ug/L	ND	ND	ND	ND	ND	
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	5
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	2

PCB Aroclors by SW846 8082/EPA 608

Matrix : Liquid

Contaminant	Units	Results	Results	Results	Results	Results	NYSDEC TOGS 1.1.1. Groundwater Quality Standards
Collected Date:		**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	
Sample Name:		**A- 1 25' depth**	**A-2 -25' depth**	**A-3 - 37ft depth**	Field Blank	Trip Blank	
PCB 1016	ug/L	ND	ND	ND	ND	ND	
PCB 1221	ug/L	ND	ND	ND	ND	ND	
PCB 1232	ug/L	ND	ND	ND	ND	ND	
PCB 1242	ug/L	ND	ND	ND	ND	ND	
PCB 1248	ug/L	ND	ND	ND	ND	ND	
PCB 1254	ug/L	ND	ND	ND	ND	ND	
PCB 1260	ug/L	ND	ND	ND	ND	ND	

Pesticide Compounds -EPA 608/SW846

Matrix : Liquid

Contaminant	Units	Results	Results	Results	Results	Results	NYSDEC TOGS 1.1.1. Groundwater Quality Standards
Collected Date:		**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	
Sample Name:		**A- 1 25' depth**	**A-2 -25' depth**	**A-3 - 37ft depth**	Field Blank	Trip Blank	
4,4'-DDD	ug/L	ND	ND	ND	ND	ND	0.3
4,4'-DDE	ug/L	ND	ND	ND	ND	ND	0.2
4,4'-DDT	ug/L	ND	ND	ND	ND	ND	0.2
Aldrin	ug/L	ND	ND	ND	ND	ND	NS
alpha-BHC	ug/L	ND	ND	ND	ND	ND	NS
alpha-Chlordane	ug/L	ND	ND	ND	ND	ND	
beta-BHC	ug/L	ND	ND	ND	ND	ND	NS
Chlordane	ug/L	ND	ND	ND	ND	ND	0.05
delta-BHC	ug/L	ND	ND	ND	ND	ND	NS
Dieldrin	ug/L	ND	ND	ND	ND	ND	0.004
Endosulfan I	ug/L	ND	ND	ND	ND	ND	NS
Endosulfan II	ug/L	ND	ND	ND	ND	ND	NS
Endosulfan sulfate	ug/L	ND	ND	ND	ND	ND	NS
Endrin	ug/L	ND	ND	ND	ND	ND	NS
Endrin Aldehyde	ug/L	ND	ND	ND	ND	ND	5
Endrin ketone	ug/L	ND	ND	ND	ND	ND	
gamma-BHC (Lindane)	ug/L	ND	ND	ND	ND	ND	NS
gamma-Chlordane	ug/L	ND	ND	ND	ND	ND	
Heptachlor	ug/L	ND	ND	ND	ND	ND	0.04
Heptachlor epoxide	ug/L	ND	ND	ND	ND	ND	0.03
Methoxychlor	ug/L	ND	ND	ND	ND	ND	35
Toxaphene	ug/L	ND	ND	ND	ND	ND	0.06

Dissolved Mercury by SW846

Matrix : Liquid

Contaminant	Units	Results	Results	Results	Results	Results	NYSDEC TOGS 1.1.1. Groundwater Quality Standards
Collected Date:		**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	
Sample Name:		**A- 1 25' depth**	**A-2 -25' depth**	**A-3 - 37ft depth**	Field Blank	Trip Blank	
Mercury	mg/L	0.000026	ND	0.000023	ND	ND	

Mercury by SW846 7470/7471/EPA 245.1

Matrix : Liquid

Contaminant	Units	Results	Results	Results	Results	Results	NYSDEC TOGS 1.1.1. Groundwater Quality Standards
Collected Date:		**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	**04/27/12**	
Sample Name:		**A- 1 25' depth**	**A-2 -25' depth**	**A-3 - 37ft depth**	Field Blank	Trip Blank	
Mercury	mg/L	0.000052	0.000047	0.00019	0.000087	NR	

Table 6

Soil Vapor Analytical Data Summary

Client Project Name:	Marion Smit-87 Grand St.	**EMSL ID:**	491200465-3TIC
Client Sample ID:	A3-0518	**Canister ID:**	E0518
Primary Lab File ID:	J3381.D	**Dilution Lab File ID:**	J3373
Analysis Date:	05/04/2012	**Analysis Date:**	05/04/2012
Sample Vol(ml):	250	**Sample Vol(ml):**	25
Dilution Factor:	1	**Dilution Factor:**	10

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Unknown			**1.7**	J	**6.4**	5.92
Isobutane	000075-28-5	58	**3.7**	JN	**8.8**	6.02
1-Propene, 2-methyl-	000115-11-7	56	**51**	JN	**120**	6.53
Acetaldehyde	000075-07-0	44	**27**	JN	**49**	7.09
Butane, 2-methyl-	000078-78-4	72	**15**	JN	**45**	8.04
Pentane	000109-66-0	72	**18**	JN	**54**	8.83
Cyclopropane, 1,2-dimethyl-, cis-	000930-18-7	70	**4.8**	JN	**14**	9.00
Unknown hydrocarbon			**3.4**	J	**13**	9.37
Cyclopropane, 1,2-dimethyl-, trans	002402-06-4	70	**1.9**	JN	**5.4**	9.68
Unknown hydrocarbon			**3.6**	J	**14**	9.82
Pentane, 2-methyl-	000107-83-5	86	**7.4**	JN	**26**	11.18
Unknown			**4.7**	J	**18**	11.81
Unknown			**5.2**	J	**19**	14.16
Hexane, 2-methyl-	000591-76-4	100	**2.4**	JN	**9.8**	14.96
Hexane, 3-methyl-	000589-34-4	100	**3.5**	JN	**14**	15.35
Cyclohexane, methyl-	000108-87-2	98	**2.6**	JN	**10**	17.82
Unknown hydrocarbon			**2.2**	J	**8.3**	18.46
Unknown			**2.2**	J	**8.3**	19.61

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

Project: Marion Smit
Address: 87 Grand Street, Brooklyn, NY11211

Sample Type: TO-15
Collected Date: 4-27-2012
Sample Name: Sharon Dyal

Sample Location:		Canister ID: E0292 (Location A1)		Canister ID: E0439 (Location A2)		Canister ID: E0518 (Location A3)	
Target Compounds	OSHA PEL (ppm/mg/m3)	Result (ppbv)	Result ug/m3	Result (ppbv)	Result ug/m3	Result (ppbv)	Result ug/m3
Propylene	NA	2.5	5.9	9.8	23	57	140
Freon 12(Dichlorodifluoromethane)	4950 mg/m3	2.0	10	ND	ND	ND	ND
Freon 114(1,2-Dichlorotetrafluoroethan	7000 mg/m3	ND	ND	ND	ND	ND	ND
Chloromethane	210 mg/m^3	ND	ND	ND	ND	ND	ND
n-Butane	800 ppm, 1900 mg/m^3	ND	ND	ND	ND	ND	ND
Vinyl chloride	1 ppm	ND	ND	ND	ND	ND	ND
1,3-Butadiene	0.5 ppm	ND	ND	ND	ND	ND	ND
Bromomethane	20 ppm, 80 mg/m3	ND	ND	ND	ND	ND	ND
Chloroethane	5 ppm, 35 mg/m3	ND	ND	ND	ND	ND	ND
Ethanol	1900 mg/m3	88	170	40	75	37	69
Bromoethene(Vinyl bromide)	NA	ND	ND	ND	ND	ND	ND
Freon 11(Trichlorofluoromethane)	5600 mg/m3	ND	ND	ND	ND	ND	ND
Isopropyl alcohol(2-Propanol)	980 mg/m3	ND	ND	6.1	15	7.1	18
Freon 113(1,1,2-Trichlorotrifluoroethan	7600 mg/m3	ND	ND	ND	ND	ND	ND
Acetone	2375 mg/m^3	250	600	480	1100	530	1300
1,1-Dichloroethene	100 ppm, 400 mg/m3	ND	ND	ND	ND	ND	ND
Acetonitrile	40 ppm, 70 mg/m3	ND	ND	ND	ND	ND	ND
Tertiary butyl alcohol(TBA)	450 mg/m3	ND	ND	4.7	14	5.9	18
Bromoethane(Ethyl bromide)	200 ppm,890 mg/m3	ND	ND	ND	ND	ND	ND
3-Chloropropene(Allyl chloride)	1 ppm, 3 mg/m3	ND	ND	ND	ND	ND	ND
Carbon disulfide	20 ppm	ND	ND	ND	ND	4.6	14
Methylene chloride	12.5 ppm	0.78	2.7	ND	ND	ND	ND
Acrylonitrile	2 ppm, 4.5 mg/m3	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether(MTBE)	250 ppm, 950 mg/m3	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	200 ppm, 790 mg/m3	ND	ND	ND	ND	ND	ND
n-Hexane	500 ppm	12	44	9.8	35	12	41
1,1-Dichloroethane	200 ppm, 790 mg/m3	ND	ND	ND	ND	ND	ND
Vinyl acetate	NA	ND	ND	ND	ND	ND	ND
2-Butanone(MEK)	200 ppm, 590 mg/m3	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	75 ppm, 450 mg/m3	ND	ND	ND	ND	ND	ND
Ethyl acetate	400 ppm, 1400 mg/m3	ND	ND	ND	ND	ND	ND
Chloroform	50 ppm, 240 mg/m3	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	200 ppm, 590 mg/m3	ND	ND	ND	ND	ND	ND

1,1,1-Trichloroethane	350 ppm,1900 mg/m3	ND	ND	ND	ND	ND	ND
Cyclohexane	1050 mg/m^3	2.9	10	2.6	9.1	2.8	10
2,2,4-Trimethylpentane(Isooctane)	NA	2.5	11	ND	ND	2.2	10
2,2,4-Trimethylpentane	NA	ND	ND	ND	ND	ND	ND
n-Heptane	2000 mg/m^3	4.4	18	4.0	16	3.5	14
1,2-Dichloroethane	200 ppm, 790 mg/m3	ND	ND	ND	ND	ND	ND
Benzene	1ppm	6.0	19	5.8	19	6.8	22
Trichloroethene	100ppm	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	75 ppm, 350 mg/m3	ND	ND	ND	ND	ND	ND
Methyl Methacrylate	100 ppm, 410 mg/m3	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NA	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100 ppm, 360 mg/m3	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone(MIBK)	100 ppm, 410 mg/m3	ND	ND	0.72	3.0	ND	ND
cis-1,3-Dichloropropene	200 ppm ,790 mg/m3	ND	ND	ND	ND	ND	ND
Toluene	200 ppm (753 mg/m^3)	17	65	19	70	16	62
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10 ppm, 45 mg/m3	ND	ND	ND	ND	ND	ND
2-Hexanone(MBK)	100 ppm, 410 mg/m3	ND	ND	ND	ND	ND	ND
Tetrachloroethene	100 ppm, 670 mg/m^3	36	240	8.2	56	4.6	31
Dibromochloromethane		ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	30 ppm	ND	ND	ND	ND	ND	ND
Chlorobenzene	350 mg/m3	ND	ND	ND	ND	ND	ND
Ethylbenzene	100 ppm (435 mg/m3)	1.5	6.3	2.2	10	2.2	10
Xylene (p,m)	435 mg/m3	5.4	24	7.3	32	7.1	31
Xylene (Ortho)	435 mg/m3	1.6	6.8	2.4	10	2.4	10
Styrene	420 mg/m3	ND	ND	ND	ND	ND	ND
Isopropylbenzene (cumene)	245 mg/m^3	ND	ND	ND	ND	ND	ND
Bromoform	5 mg/m^3	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	35 mg/m3	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	NA	1.7	8.2	2.0	10	2.3	11
1,3,5-Trimethylbenzene	NA	ND	ND	ND	ND	0.52	2.6
2-Chlorotoluene	250 mg/m3	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	25 ppm, 120 mg/m^3	1.6	7.9	1.7	8.1	1.7	8.5
1,3-Dichlorobenzene	2 ppm, 12 mg/m^3;	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	450 mg/m3	ND	ND	ND	ND	ND	ND
Benzyl chloride	5 mg/m3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	NA	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.02ppm	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	0.02ppm	ND	ND	ND	ND	ND	ND
Naphthalene	50 mg/m^3	ND	ND	ND	ND	ND	ND

		Canister ID: E0292 (Location A1)		Canister ID: E0439 (Location A2)		Canister ID: E0518 (Location A3)	
Tentatively Identified Compounds	**OSHA PEL (ppm/mg/m3)**	**Result (ppbv)**	**Result ug/m3**	**Result (ppbv)**	**Result ug/m3**	**Result (ppbv)**	**Result ug/m3**
Isobutane	1900 mg/m^3	1.4	3.4	1.4	3.4	1.7	6.4
Unknown hydrocarbon	NA	22	81	38	86	3.7	8.8
Acetaldehyde	360 mg/m^3	13	24	26	46	51	120
Butane, 2-methyl-	2950 mg/m^3	18	54	13	38	27	49
Pentane	2950 mg/m^3	17	50	12	35	15	45
Cyclopropane, 1,2-dimethyl-, cis-	NA	2.9	8.4	2.2	6.2	18	54
Unknown hydrocarbon	NA	1.2	4.5	2.3	8.7	4.8	14
Cyclopropane, 1,2-dimethyl-, trans	NA	3.1	8.8	2.7	7.7	3.4	13
Pentane, 2-methyl-	2950 mg/m3	10	37	6.2	22	1.9	5.4
Unknown	NA	6.3	24	4.5	17	3.6	14
Unknown	NA	6.9	26	5.7	21	7.4	26
Hexane, 2-methyl-	500 PPM	3.2	13	2.5	10	4.7	18
Hexane, 3-methyl-	400 ppm	4.9	20	3.6	14	5.2	19
Cyclohexane, methyl-	NA	3.7	15	3.4	14	2.4	9.8
Unknown hydrocarbon	NA	1.3	5.0	2.7	10	3.5	14
Unknown hydrocarbon	NA	2.2	8.2	1.3	5.7	2.6	10
Unknown hydrocarbon	NA	1.0	3.9	1.2	5.4	2.2	8.3
Unknown	NA	3.1	12	3.5	13	2.2	8.3
Decane	NA	1.5	8.9	1.3	7.6	ND	ND

Project: Marion Smit
Address: 89 Grand Street, Brooklyn, NY11211

Sample Type: TO-15
Collected Date: 4-27-2012
Sample Name: Sharon Dyal

Sample Location:		Canister ID: E0281 (Inside, Basement Kitchen)		Canister ID: E0235 (Basement SE)		Canister ID: E0467 (Basement NW)		Canister ID: E0567 (Outside)		BLANK	
Target Compounds	**OSHA PEL (ppm/mg/m3)**	**Result (ppbv)**	**Result ug/m3**	**Result (ppbv)**	**Result ug/m3**	**Result (ppbv)**	**Result ug/m3**	**Result (ppbv)**	**Result ug/m3**	**Result (ppbv)**	**Result ug/m3**
Propylene	NA	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND
Freon 12(Dichlorodifluoromethane)	4950 mg/m3	ND	ND	2.6	13	0.55	2.7	ND	2.5	ND	ND
Freon 114(1,2-Dichlorotetrafluoroethan	7000 mg/m3	ND	ND	ND	ND	ND	ND	ND	3.5	ND	ND
Chloromethane	210 mg/m^3	0.62	1.3	ND	ND	ND	ND	0.64	1.0	ND	ND
n-Butane	800 ppm, 1900 mg/m^3	2.9	7	2.5	5.9	ND	ND	1.2	1.2	ND	ND
Vinyl chloride	1 ppm	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND
1,3-Butadiene	0.5 ppm	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND
Bromomethane	20 ppm, 80 mg/m3	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND
Chloroethane	5 ppm, 35 mg/m3	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND
Ethanol	1900 mg/m3	19	35	310	ND	230	440	13	0.9	ND	ND
Bromoethene(Vinyl bromide)	NA	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND
Freon 11(Trichlorofluoromethane)	5600 mg/m3	ND	ND	1.2	ND	ND	ND	ND	2.8	ND	ND
Isopropyl alcohol(2-Propanol)	980 mg/m3	2.2	5.4	15	ND	ND	ND	1.5	1.2	ND	ND
Freon 113(1,1,2-Trichlorotrifluoroethan	7600 mg/m3	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND
Acetone	2375 mg/m^3	17	40	22	ND	43	100	7.2	1.2	ND	ND
1,1-Dichloroethene	100 ppm, 400 mg/m3	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND
Acetonitrile	40 ppm, 70 mg/m3	ND	ND	ND	ND	ND	ND	ND	0.84	ND	ND
Tertiary butyl alcohol(TBA)	450 mg/m3	ND	ND	ND	ND	3.3	10	ND	1.50	ND	ND
Bromoethane(Ethyl bromide)	200 ppm,890 mg/m3	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND
3-Chloropropene(Allyl chloride)	1 ppm, 3 mg/m3	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND
Carbon disulfide	20 ppm	ND	ND	ND	ND	2.7	8.4	ND	1.6	ND	ND
Methylene chloride	12.5 ppm	7.3	25	1.4	4.8	ND	ND	0.65	1.7	ND	ND
Acrylonitrile	2 ppm, 4.5 mg/m3	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND
Methyl-tert-butyl ether(MTBE)	250 ppm, 950 mg/m3	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND
trans-1,2-Dichloroethene	200 ppm, 790 mg/m3	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND
n-Hexane	500 ppm	0.64	2.2	ND	ND	ND	ND	0.67	1.8	ND	ND
1,1-Dichloroethane	200 ppm, 790 mg/m3	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND
Vinyl acetate	NA	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND
2-Butanone(MEK)	200 ppm, 590 mg/m3	0.96	2.8	2.3	6.8	2.0	5.9	0.51	1.5	ND	ND
cis-1,2-Dichloroethene	75 ppm, 450 mg/m3	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND
Ethyl acetate	400 ppm, 1400 mg/m3	ND	ND	1.4	5.2	1.1	4.1	ND	1.8	ND	ND
Chloroform	50 ppm, 240 mg/m3	ND	ND	0.99	4.9	ND	ND	ND	2.4	ND	ND
Tetrahydrofuran	200 ppm, 590 mg/m3	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND
1,1,1-Trichloroethane	350 ppm,1900 mg/m3	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND
Cyclohexane	1050 mg/m^3	ND	ND	1.1	3.6	1.3	4.3	ND	1.7	ND	ND
2,2,4-Trimethylpentane(Isooctane)	NA	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND
2,2,4-Trimethylpentane	NA	ND	ND	ND	ND	ND	ND	ND	3.1	ND	ND
n-Heptane	2000 mg/m^3	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND
1,2-Dichloroethane	200 ppm, 790 mg/m3	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND
Benzene	1ppm	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND
Trichloroethene	100ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	75 ppm, 350 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Methacrylate	100 ppm, 410 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100 ppm, 360 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone(MIBK)	100 ppm, 410 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	200 ppm ,790 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	200 ppm (753 mg/m^3)	1.9	7.2	6.5	25	5.9	22	1.2	4.4	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10 ppm, 45 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone(MBK)	100 ppm, 410 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	100 ppm, 670 mg/m^3	ND	ND	7.5	51	1.4	9.5	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	30 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	350 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	100 ppm (435 mg/m3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (p,m)	435 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Ortho)	435 mg/m3	ND	ND	0.55	2.7	0.72	3.1	ND	ND	ND	ND
Styrene	420 mg/m3	ND	ND	ND	ND	9.8	42	ND	ND	ND	ND
Isopropylbenzene (cumene)	245 mg/m^3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	5 mg/m^3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	35 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	250 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	25 ppm, 120 mg/m^3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2 ppm, 12 mg/m^3;	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	450 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl chloride	5 mg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.02ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	0.02ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	50 mg/m^3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethane,1,1-difluoro		6.6	18	ND	ND	ND	ND	5.0	13	ND	ND
Unknown		2.7	10	ND	ND	2.5	9.4	9.7	9.7	ND	ND
Unknown		1.6	5.9	ND	ND	3.0	11	ND	ND	ND	ND
Benzene,1-chloro-4-(trifluorometh)		3	22	ND	ND	ND	ND	ND	ND	ND	ND
1-Butanol		ND	ND	55	170	ND	ND	ND	ND	ND	ND
Limonene		ND	ND	17	95	12	68	ND	ND	ND	ND
Cyclotetrasiloxane, octamethyl-		ND	ND	ND	ND	230	2800	ND	ND	ND	ND

Appendix I

Phase 1 Report (2011)

Appendix II

Health and Safety Plan

Environmental Building Solutions, LLC

Health and Safety Plan for 87/89 Grand Street Brooklyn, New York 11211

Prepared For:

PTSE Property Holdings, LLC
34 North 7th Street, PH1C
Brooklyn, NY 11249

Project ID: 12-455

Date: July 11, 2013

PROJECT SUMMARY

The purpose of this Health and Safety Plan (HASP) is to assign responsibilities, establish personnel protection standards and mandatory safety practices and procedures, and provide for contingencies that may arise during a sub-surface soil investigation at 87/89 Grand Street, in Brooklyn, NY (the site). The HASP is intended to minimize health and safety risks resulting from the known and potential presence of hazardous materials on the site. Applicability extends to all employees, contractors, subcontractors, and visitors.

All personnel on-site, contractors and subcontractors included, shall be informed of the site emergency response procedures and any potential fire, explosion, health, or safety hazards of the operation.

This plan must be reviewed, and an agreement to comply with the requirements must be signed, by all personnel prior to entering the exclusion zone or contamination reduction zone.

During development of this plan consideration was given to current safety standards as defined by the USEPA, OSHA, and NIOSH. Listed procedures were designed to account for the potential for exposure to known and unknown substances. Specifically, the following reference sources have been consulted:

- OSHA 29 CFR 1910.120 and EPA 40 CFR 311
- U.S. EPA, OERR ERT Standard Operating Safety Guides
- NIOSH/OSHA/USCG/EPA Occupational Health and Safety Guidelines
- ACGIH Threshold Limit Values

Potential Chemical Hazards: Petroleum Compounds and Heavy Metals

All on-site activities, with the exception of confined space entry (if required), will be conducted using Level D personal protective equipment. Personnel will upgrade to Level C if the "Ambient Air Contaminant Threshold" (AACT) is exceeded or other site conditions warrant additional protection. The AACT Upgrade Threshold Levels are as follows:

- Level C upgrade threshold: 50 ppm (PID)
- Level B upgrade threshold: 250 ppm (PID)

These levels are based on photo ionization detector (PID) readings within the immediate area of work and relate to worker exposure.

EMERGENCY CONTACTS

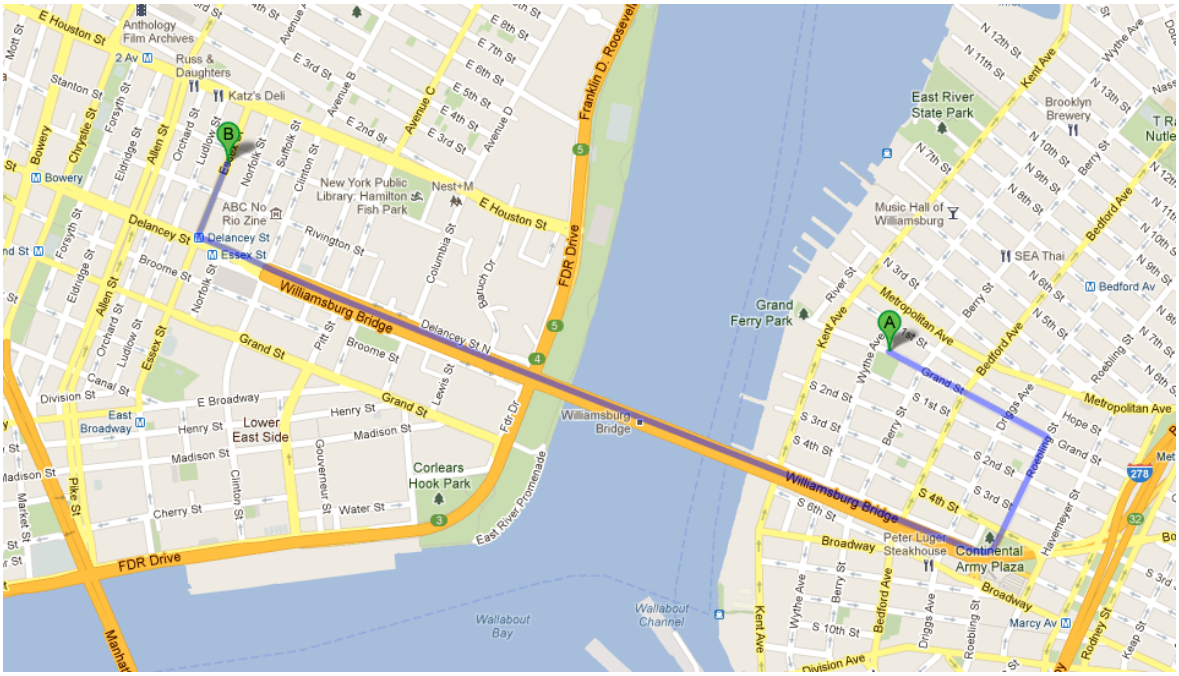
The following list provides names and telephone numbers for emergency contact personnel. In the event of a medical emergency, personnel will take direction from the Health and Safety Officer (HSO) and notify the appropriate emergency organization. In the event of a fire or spill, the Site Supervisor will notify the appropriate local, state, and federal agencies.

Organization	Contact	Telephone
Ambulance	Operator	911
Police Department	Operator	911
Fire Department	Operator	911
National Response Center	Operator	(800) 424-8802
Poison Control Center	Operator	(800) 682-9211
NYCDEP Project Manager	Hannah Moore	(212) 442-6372
Call Before You Dig	Operator	(800) 272-4480
Health & Safety Officer	Michael Borello	(917) 217-7334
Environmental Building Solutions, LLC	John Leitner	(646) 290-5925
Marion Smit	Marion Smit	(347) 821-1953

MAP TO THE NEAREST HOSPITAL

A map to the nearest hospital is provided below:

NW Downtown Hospital
150 Essex Street
New York, NY 10002, US
(212) 505-9162



DIRECTIONS TO NW DOWNTOWN HOSPITAL

1. Head southeast on Grand Street toward Berry Street – 0.3 miles
2. Turn right onto Roebling Street - 0.2 miles
3. Take the ramp onto the Williamsburg Bridge – 1.6 miles
4. Turn right onto Essex Street.

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SCOPE AND APPLICABILITY OF HASP

The purpose of this Health and Safety Plan (HASP) is to assign responsibilities, establish personnel protection standards and mandatory safety practices and procedures, and provide for contingencies that may arise during a sub-surface soil investigation at 87/89 Grand Street, in Brooklyn, NY (the site). The HASP is intended to minimize health and safety risks resulting from the known and potential presence of hazardous materials on the site. Applicability extends to all employees, contractors, subcontractors, and visitors.

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During development of this plan consideration was given to current safety standards as defined by the USEPA, OSHA, and NIOSH. Listed procedures were designed to account for the potential for exposure to known and unknown substances. Specifically, the following reference sources have been consulted:

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- U.S. EPA, OERR ERT Standard Operating Safety Guides
- NIOSH/OSHA/USCG/EPA Occupational Health and Safety Guidelines
- ACGIH Threshold Limit Values

OPERATIONAL SAFETY AND HEALTH ANALYSIS

This HASP addresses site-specific hazards identified through previous site work or background information. For additional historic information concerning the Site see the following documents:

- Environmental Building Solutions, LLC - Phase I Environmental Site Assessment, Dated January 20, 2012

Historical Overview

The property is located at 87/89 Grand Street between Wythe Street and Berry Street at approximately 38 feet above sea level. The 2,068 square foot site is approximately irregularly shaped vacant lot. The ESA did not identify any "recognized environmental conditions" for the site.

SCOPE OF WORK

Remedial Cleanup Scope and Objectives

The primary purpose of the sub-surface investigation is to identify the extent, if any, of environmental contamination at the subject property. Remedial cleanup scope and objectives can be then formulated to substantially reduce any petroleum and heavy metal related contamination at the site.

At the conclusion of the project it is expected that any contamination, which can be practically remediated on the site will have been remediated by removal.

Task-Specific Health and Safety Analysis

The following subsections describe each task in terms of the specific hazards associated with it. In addition, the protective measures to be implemented during completion of each task are identified. In this section task related health and safety issues for site preparation, excavation and removal of contaminated soil are regarded as task specific safety issues.

Task #1: Reduce vegetation in area of investigation and carry out grading and removal of obstacles to field equipment.

This will be done using hand held "weed-wackers."

Hazards and Hazard Prevention

Potential hazards associated with the use of heavy equipment together with accidents commonly associated with use of weeding and grubbing equipment include slips, trips and falls; lacerations from contact with the equipment during operation; eye injury from flying vegetation/earth/miscellaneous debris. The site may also contain unknown material dumped on the site and hidden by the tall grass.

PHYSICAL HAZARD - An exclusion zone will be established around the perimeter of the drilling area. Only drilling and other authorized personnel will be allowed to enter the exclusion zone during drilling activities. Site workers will wear appropriate foot wear with rubber-grip soles, avoid slippery surfaces, and generally use caution and good judgment.

CHEMICAL HAZARDS - Based on prior investigations, the primary contaminants anticipated are petroleum hydrocarbons and heavy metals.

Task #2: Perform Ground Penetrating Radar survey and install borings and wells using a hollow stem auger of GeoProbe direct drilling method

Hazards and Hazard Prevention

This task is intrusive. The primary safety concerns during the boring and well installation will be physical hazards (slips, trips, and falls), utility line rupture, and exposure (through inhalation or dermal contact) to contaminated soils.

PHYSICAL HAZARDS - An exclusion zone will be established around the drilling area. Only drilling personnel and other authorized personnel will be allowed to enter the exclusion zone during removal activities. Site workers will wear appropriate foot wear with rubber-grip soles, avoid slippery surfaces, and generally use caution and good judgment. The exclusion area will extend to any area clear of the drilling rig and its range. Earplugs will be worn during all drilling.

UTILITIES - Utility mark outs will be performed prior to any drilling work on-site.

CHEMICAL HAZARDS - Based on prior investigations, the primary contaminants anticipated are petroleum hydrocarbons and heavy metals.

First aid equipment will be available during all field activities.

Chemical Hazards of Concern

The drill cuttings generated and the surrounding work area will be continuously monitored using a photo ionization detector (PID) during site activities. The PID is an appropriate direct-reading monitoring instrumentation given the confirmed presence of VOC contamination in the drill cuttings.

The contaminant detected in the groundwater well/soil boring installation area with the lowest permissible exposure level (PEL) is benzene, which has a 1 ppm PEL. The benzene threshold limit value (TLV) (listed in 29 CFR 1910.1200, Table Z-2) of 10 ppm (based on mixtures containing benzene) will be used on-site. Half-face respirators will be provided at "Level C" on airborne concentrations of contaminants identified at 50 ppm above background levels in the immediate area of work during on-site activities.

If PID readings in the areas above and surrounding the work area should exceed 250 ppm above background levels, all on-site activities will be suspended. The personal protective equipment selected will depend on the nature and concentrations of the contaminants encountered. A complete listing of PPE levels can be found in Appendix D, and a listing of the specific PPE selected for on-site activities can be found in Section IV. First aid equipment will be available based on MSDS requirements.

First aid equipment will be available during all field activities.

Chemical Hazards of Concern

Petroleum Hydrocarbons

Chemical Formula: Varies
Normal Physical State: Liquid, at times near solid
Color/Appearance: Black/Brown
Solubility: ≈ 5 mg/L
Specific Gravity: Less than 1.0
Vapor Pressure: Varies
Classification: May be flammable; explosive in enclosed spaces. Non-reactive, non-corrosive
Explosive Limits: 0.7%-5% (#2 fuel oil)
Incompatibilities: Chlorinated solvents, strong acids
Exposure Limits:
Petroleum distillates: 400 ppm (OSHA TWA)
85 ppm (NIOSH TWA)
10,000 ppm (NIOSH IDLH)

Lead

Chemical Formula: Pb
Normal Physical State: heavy solid
Color/Appearance: gray
Solubility: insoluble
Specific Gravity: 11.34
Vapor Pressure: 0 mm
Classification: Noncombustible solid
Explosive Limits: N/A
Incompatibilities: Strong oxidizers, hydrogen peroxide, acids
Exposure Limits: 0.05 mg/m^3 TWA (OSHA)

Other metals which may be encountered on-site:

Arsenic
Beryllium
Cadmium
Chromium
Copper
Mercury
Nickel
Zinc

SOURCES OF INFORMATION:

USDHHS, NIOSH Pocket Guide to Chemical Hazards. June 1997. (NIOSH Internet site - "http.www.cdc.gov/niosh").

Riser-Roberts, Eve. Bioremediation of Petroleum Contaminated Sites. 1992.

Merck & Co. The Merck Index. 1996.

OSHA Internet site.

Peakall, David and Lincer, Jeffrey. Polychlorinated Biphenyls: Another Long-Life Widespread Chemical in the Environment. BioScience Vol 20, No. 17, September 1, 1970.

Routes of Exposure

Petroleum

Naphthalene and semi-volatile organics are all proven or experimental poisons through inhalation and ingestion and are mildly to strongly toxic through dermal absorption. The most common route of exposure for these compounds is inhalation.

Lead & Other Metals

The potential metals, which may be encountered, have acute and/or chronic toxicity. The primary routes of exposure to these substances are through inhalation, ingestion, and dermal contact.

Symptoms

Petroleum

Naphthalene and semi-volatile organics all induce nausea, vomiting, and an initial sense of euphoria upon exposure. A feeling of depression followed by loss of consciousness and eventually respiratory failure occur upon prolonged exposure.

Lead & Other Metals

Exposure to the above-listed metals can result in ulceration of nasal septum, gastrointestinal disturbances, hyperpigmentation of skin, dermatitis, irritated pharynx, nasal perforation, metallic taste, lung damage, liver damage, kidney damage, anemia, bronchitis, indecisiveness, stomatitis, proteinuria, weakness, lassitude, insomnia, pallor, anorexia, weight loss, colic, anemia, gingival lead line, tremors, paralysis of wrists and ankles, encephalopath, kidney disease, irritated eyes, chest pain, coughing, clubbing of fingers, berylliosis, cyanosis, pulmonary edema, dyspnea, tight chest, headaches, muscle aches, nausea, diarrhea, and hypotension.

First Aid

If contaminants come in contact with the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately. Contact lenses should not be worn when working. If contaminants come in contact with the skin, promptly wash the contaminated skin with soap and water. If contaminants penetrate through the clothing, promptly remove the clothing and wash the skin with soap and water. If a person breathes in large amounts of these contaminants, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the affected person warm and at rest. If these contaminants are swallowed, get medical attention immediately.

TRAINING REQUIREMENTS

All Personnel

Consistent with OSHA's 29 CFR 1910.120 regulation covering Hazardous Waste Operations and Emergency Response, all site personnel are required to be trained in accordance with 29 CFR 1910.120. At a minimum, all personnel are required to be trained to recognize the hazards on-site, the provisions of this HASP, and the responsible personnel. All training and medical monitoring records for each subcontractor are the responsibility of that subcontractor. In addition, training records for all site personnel will be maintained by the Site Health and Safety Officer.

Prior to on-site arrival, each employer will be responsible for certifying that his/her employees meet the requirements of preassignment training, consistent with OSHA 29 CFR 1910.120 paragraph (e)(3). The employer should be able to provide a document certifying that each general site worker has received 40 hours of instruction off the Site, and 24 hours of training for any workers who are on-site only occasionally for a specific task. If an individual employee has work experience and/or training that is equivalent to that provided in the initial training, an employer may waive the 40-hour training so long as that equivalent experience is documented or certified. All personnel must also receive 8 hours of refresher training annually.

Health and Safety Officer

The Health and Safety Officer (HSO) has the responsibility for ensuring that the provisions of this HASP are adequate. Site personnel are responsible for ensuring that these provisions are implemented in the field. Changing field conditions may require decisions to be made concerning whether operating procedures and personal protective equipment are adequate and are to be discussed with the HSO. Therefore, it is vital that any personnel assigned as HSO be experienced, and meet the additional training requirements specified by OSHA in 29 CFR 1910.120.

The following individual is identified as the HSO:

Name: Michael Borello
Title: Industrial Hygienist

Briefing Topics

In order to comply with 29 CFR 1910.1200, Hazard Communication, the following items will be discussed by a qualified individual at the pre-operational briefing(s) or periodic site briefings:

Training	Frequency
Air Monitoring, Sec. 7.0;	Daily

[29 CFR 1910.120(H)]	
Confined space entry procedure, Sec. 11.0	Periodic
Emergency response plan, Sec. 10.0;	Periodic
[29 CFR 1910.120(1)]	
Personnel protective equipment, Sec. 5.0	Daily

Confined Space Entry

Entry into confined spaces as defined in OSHA 29 CFR 1910.146(b)(1) is not anticipated as an on-site activity. Should entry into a confined space be required, all operational activities will be suspended until entry can be achieved in accordance with 1910.146.

Visitors

All visitors entering the contamination reduction zone and exclusion zone at the Site will be required to read and verify compliance with the provisions of the HASP. In addition, visitors will be expected to comply with relevant OSHA requirements, such as medical monitoring, training, and respiratory protection (if applicable). Visitors will also be expected to provide their own protective equipment.

In the event that a visitor does not adhere to the provisions of the HASP, he/she will be requested to leave the work area. All non-conformance incidents and accidents will be recorded in the site log.

PERSONNEL PROTECTIVE EQUIPMENT

This section describes the specific levels of protection required for each task on-site. The general requirements of the USEPA and OSHA-designated Levels of Protection (A-D) are described below.

Personnel shall wear PPE when response activities involve known or suspected atmospheric contamination vapors, gases, or particulates may be generated by site activities, or when direct contact with skin-affecting substances may occur. Full face-piece respirators protect the lungs, gastrointestinal tract and eyes against airborne toxicants. Chemical-resistant clothing protects the skin from contact with skin-destructive and absorbable chemicals.

PPE Levels

The specific levels of protection and necessary components for each have been divided into four categories according to the degrees of protection afforded:

Level A

Should be worn when the highest level of respiratory, skin and eye protection is needed.

Level B

Should be worn when the highest level of respiratory protection is needed, but a lesser level of skin protection is required. Level B is the primary level of choice when encountering unknown environments.

Level C

Should be worn when the criteria for using air-purifying respirators are met, and a lesser level of skin protection is required.

Level D

Should be worn only as a work uniform and not in any area with respiratory or skin hazards. It provides minimal protection against chemical hazards.

Modifications of these levels are permitted, and routinely employed during site work activities to maximize efficiency. For example, Level C respiratory protection and Level D skin protection may be required for a given task. Likewise, the type of chemical protective ensemble (i.e. material, format) will depend upon contaminants and degrees of contact. In situations where the type of chemical, concentration, and possibilities of contact are not known, the appropriate Level of Protection must be selected based on professional experience and judgment until the hazards can be better identified.

The Level of Protection selected is based upon the following:

- Type and measured concentration of the chemical substance and its toxicity.
- Potential for exposure to substances in air, liquids, or other direct contact with material due to work being done.
- Knowledge of chemicals on-site along with properties such as toxicity, route of exposure, and contaminant matrix.

Reassessment of PPE Program

The Level of Protection provided by PPE selection shall be upgraded or downgraded based upon a change in site conditions or findings of investigations. When a significant change occurs, the hazards should be reassessed. Some indicators of the need for reassessment are:

- Commencement of a new work phase, such as the start of drum sampling or work that begins on a different portion of the site.
- If a change in job tasks occurs during a work phase.
- If there is a change of season/weather.
- If temperature extremes or individual medical considerations limit the effectiveness of PPE.
- If contaminants other than those previously identified are encountered.
- If there is a change in ambient levels of contaminants.
- If there is a change in the scope of work, which affects the degree of contact with contaminants.

Selected PPE

All on-site activities, with the exception of confined space entry, will be conducted using Level D protective equipment. Personnel will upgrade to Level C if the Ambient Air Contaminant Threshold is exceeded or other site conditions warrant additional protection. During confined space entry, the personnel entering the confined space shall wear Level B PPE with supplied air. Should site conditions require PPE above Level C all on-site activities will be suspended until the appropriate level of protection can be arranged. A checklist for PPE and other equipment is included in Table #2. During confined space entry, the personnel entering the confined space shall wear Level B PPE with supplied air. The following specific clothing materials will be used on-site:

Level D

INNER GLOVES:	At least surgical gloves, if sampling
BOOTS/BOOT COVERS:	Steel-toed boots, no boot covers
OUTER GLOVES:	Nitrile if sampling or leather
OUTER GARMENT/COVERALLS:	Standard clothes coveralls or work clothes
RESPIRATORY PROTECTION:	Dust mask
EYE PROTECTION:	Goggles or safety glasses

Level C

INNER GLOVES:	Surgical gloves
BOOTS/BOOT COVERS:	Steel-toed boots, Nitrile-coated covers
OUTER GLOVES:	Nitrile
OUTER GARMENT/COVERALLS:	Tyvek coveralls or similar
RESPIRATORY PROTECTION:	Half face respirator with filter cartridges for with organic vapor/HEPA cartridges or Full-face, negative-pressure air-purifying respirators with organic vapor/HEPA cartridges
EYE PROTECTION:	Goggles

TABLE #1

PPE/EQUIPMENT INSPECTION CHECKLIST

ITEM	√	PRECHECK
HEALTH & SAFETY-RELATED		
Respirators		Compatible cartridges, clean/operational parts, recent fit test, +/- on-site test
Gloves		Compatibility, fit, rips/tears
Surgical inner gloves		None
Protective suits		Compatibility, fit, rips/tears
Overboots		Compatibility, fit, rips/tears
Hardhat(s)		Fit, suspension
Safety goggles		Fit, comfort, visibility
Caution tape		None
Ear protection		None
First aid kit		
PID		Charged/operational, calibration gas cylinder not empty
NON-H&S-RELATED		
Duct tape		None
Utility knife		None
Plastic bags		None
Lab cooler/Sample jars/COC		None
Decontamination containers/sol'n		None
Camera/Film		None
Logbook		None
Tarp/Plastic		None
Measuring tape		None
Pens/Markers		
Spray paint		
Water level indicator		
Project folder		

MEDICAL SURVEILLANCE PROGRAM

Medical monitoring programs are designed to track the physical condition of employees on a regular basis as well as survey pre-employment or baseline conditions prior to potential exposures.

Baseline Monitoring

Prior to being assigned to a hazardous or a potentially hazardous activity involving exposure to toxic materials, employees must receive a baseline physical. As suggested by NIOSH/OSHA/USCG/USEPA's Occupational Safety & Health Guidance Manual for Hazardous Waste Site Activities, the minimum medical monitoring requirements for work at the Site are as follows:

1) Complete medical and work histories
2) Physical examination
3) Pulmonary function tests (FVC and FEV1)
4) Chest X-ray (every 2 years)

The baseline physical should categorize employees as fit-for-duty and able to wear respiratory protection.

Periodic Monitoring

In addition to a baseline physical, all employees must have had an annual physical within the last 12 months unless the advising physician believes a shorter interval is appropriate. The employer's medical consultant should prescribe an adequate physical, which fulfills OSHA 29 CFR 1910.120 requirements. The baseline physical outlined above may be applicable.

Site-Specific Monitoring

All employees will be monitored on-site for signs of physical stress such as heat stroke or overexertion. In addition, all employees will be monitored for symptoms of chemical exposure, especially those symptoms commonly associated with contaminants encountered on-site. Pulse, heart rate, and temperature of employees will be monitored if on-site conditions warrant additional on-site monitoring.

Exposure/Injury/Medical Support

As a follow-up to any possible injury or exposure above established limits, all employees are entitled and encouraged to seek medical attention and physical testing. Depending upon the type of exposure, it is critical to perform follow-up testing within 24-48 hours. The type of test required to accurately monitor for exposure effects would depend on the specific conditions of the exposure.

Exit Physical

Upon termination or reassignment, an employee shall have an exit physical. If his/her last physical was within the last 6 months, the advising medical consultant has the right to determine adequacy and necessity of an exit exam.

AIR MONITORING AND SAMPLING

This section explains the general concepts of an air-monitoring program and specifies the surveillance activities that will take place on-site.

The purpose of air monitoring is to identify and quantify airborne contaminants in order to determine the level of worker protection needed. Initial screening for identification is often qualitative, i.e., the contaminant, or the class to which it belongs, is demonstrated to be present, but quantification requires subsequent testing. Two principal approaches are available for identifying and/or quantifying airborne contaminants:

- The on-site use of direct-reading instruments.
- Laboratory analysis of air samples obtained by gas sampling-bag collection media (i.e., filter, sorbent), and/or wet-contaminant collection methods.

Direct-Reading Monitoring Instruments

Unlike air sampling devices, which are used to collect samples for subsequent analysis in a laboratory, direct-reading instruments provide information at the time of sampling, allowing rapid decision-making to occur. Data obtained from the real-time monitors are used to assure proper selection of PPE, engineering controls, and work practices. Overall, the instruments give the user the capability to determine if site personnel are being exposed to concentrations which exceed exposure limits or action levels for specific hazardous materials.

Of significant importance, especially during initial entries, is the potential for Immediate Danger to Life or Health (IDLH) conditions or oxygen-deficient atmospheres. Real-time monitors can be useful in identifying any IDLH conditions, toxic levels of airborne contaminants, flammable atmospheres, or radioactive hazards. Periodic monitoring of conditions is critical; especially if exposures may have increased since initial monitoring or if new activities are conducted on-site

After site mitigation activities have commenced, the selective monitoring of high-risk workers, (those who are closest to the source of contaminant generation) is essential. Personal monitoring samples should be collected in the breathing zone and, if workers are wearing respiratory protective equipment, outside the face piece.

Those employees working closest to the source have the highest likelihood of being exposed to concentrations which exceed established exposure limits. Representative sampling approaches emphasizing worst case conditions (those employees with the greatest risk of exposure) are acceptable. However, the sampling strategy may change if the operation or tasks change on-site or if exposures potentially increase.

Site-Specific Monitoring

Air monitoring will be conducted on a continual basis in the excavation area using a Photo Ionization Detector (PID). Action levels for each contaminant will be set at the TLV for benzene (10 ppm) using half-face or full-face respirators (which provide protection factors of 10x and 50x). PID readings will be recorded in a field notebook at least every 10 minutes. Any variation from background levels experienced during continuous monitoring will also be recorded. Some of the limitations of the PID should be noted:

- Detects total concentration of volatile organic gases and detectable aromatic compounds and a few inorganic gases.
- Moist atmospheric conditions (e.g. rain) and high relative humidity (>90%) "quenches" signal, resulting in low readings.
- Does not detect methane.
- For concentrations >150 ppm, the PID may provide non-linear or erratic responses.
- Lead acid battery in PID loses power quickly in cold weather (may require periodic recharging).
- Readings may be affected by power lines, transformers, or radio wave transmitters.
- Accuracy $\pm$ 15%
- Detection range 0.5-2,000 ppm.

SITE CONTROL MEASURES

The following section defines measures and procedures for maintaining site control. Site control is an essential component in the implementation of the site health and safety program.

Buddy System

During all Level B activities or when on-site conditions present a risk to personnel, the implementation of a buddy system is mandatory. A buddy system requires at least two people to work as a team; each looking out for each other. Level B operations generally require three people.

Site Communications Plan

Successful communications between field teams and contact with personnel in the support zone is essential. The following communications systems will be available during activities at the Site, if required.

Signal	Definition
Hands clutching throat	Out of air/cannot breath
Hands on top of head	Need assistance
Thumbs up	OK/I'm all right/I understand
Thumbs down	No/Negative
Arms waving upright	Send backup support
Grip partner's wrist	Exit area immediately

Work Zone Definition

The three general work zones generally established on-site are the Exclusion Zone, Contamination Reduction Zone, and Support Zone. Given the limited amount of space in each work area and the nature of the subsurface work to be performed on-site, an Exclusion Zone only will be established around each work area. If site conditions warrant, Contamination Reduction and Support Zones will be established.

The Exclusion Zone is defined as the area where contamination is either known or likely to be present, or because on-site activities will provide a potential to cause harm to personnel. Entry into the Exclusion Zone may require the use of PPE.

The Contamination Reduction Zone is the area where personnel conduct body and equipment decontamination. It is essentially a buffer zone between contaminated areas and clean areas. Activities to be conducted in this zone may require PPE as defined in the Decontamination Zone.

The Support Zone is situated in clean areas where the chance to encounter hazardous conditions is minimal.

Safe Work Practices

Table #2 below provides a list of standing orders for the Exclusion and Contamination Reduction Zones.

TABLE #2

STANDING ORDERS FOR EXCLUSION AND CONTAMINATION REDUCTION ZONES

EXCLUSION ZONE

- No smoking, eating, or drinking.
- No horse play.
- No matches or lighters.
- Check-in upon entering.
- Check-out upon exiting.
- Implement the communications system if conditions warrant it.
- Line of sight must be in position.
- Wear the appropriate level of protection as defined in the HASP.

CONTAMINATION REDUCTION ZONE

- No smoking, eating, or drinking.
- No horse play.
- No matches or lighters.
- Wear the appropriate level of protection.

REMEMBER TO ALWAYS WASH HANDS BEFORE EATING AFTER ANY WORK

Decontamination Plan

Decontamination involves the orderly, controlled removal of contaminants. All site personnel should minimize contact with contaminants in order to minimize the need for extensive decontamination.

Should personnel be required to assist in decontamination procedures, the protection required will be Level D. The HSO is responsible for monitoring decontamination procedures and determining their effectiveness.

Equipment Decontamination

Sampling equipment will be decontaminated in accordance with procedures as defined in the General Sampling Program. The sequence of decontamination steps required for non-sampling equipment and heavy machinery can be found in the Work Plan.

Disposal of Decontamination Wastes

All equipment and solvents used for decontamination shall be decontaminated or disposed of properly. If commercial laundries or cleaning establishments are used to decontaminate protective clothing or equipment, they shall be informed of the chemicals of concern and their potential harmful effects of exposure associated with the project.

EMERGENCY RESPONSE/CONTINGENCY PLANS

This section describes the contingency and emergency planning procedures to be implemented on-site. This plan is compatible with local, state, and federal disaster and emergency management plans as appropriate.

Pre-Emergency Planning

During regular briefings, all employees will be trained in, and reminded of, provisions of the emergency response plan, communication systems, and evacuation routes. The plan will be reviewed and revised, if necessary, on a regular basis by the HSO. This will ensure that the plan is adequate and consistent with prevailing site conditions.

A charged cell phone will be made available at all times to all personnel on-site.

Personnel Roles and Lines of Authority

The Site Supervisor has primary responsibility for responding to and correcting emergency situations. This includes taking appropriate measures to ensure the safety of site personnel and the public. Possible actions may involve evacuation of personnel from the site area, and evacuation of adjacent residents.

He/she is also responsible for ensuring that corrective measures have been implemented, appropriate authorities notified, and follow-up reports completed. The HSO may be called upon to act on behalf of the site supervisor, and will direct responses to any medical emergency. The individual contractor organizations are responsible for assisting the project manager in his/her mission within the parameters of their scope of work.

Emergency Recognition/Prevention

Site personnel will be familiar with techniques of hazard recognition from pre-assignment training and site-specific briefings. The HSO is responsible for ensuring that prevention devices or equipment are available to personnel.

Emergency Contact/Notification System

The list at the beginning of this HASP provides names and telephone numbers for emergency contact personnel. In the event of a medical emergency, personnel will take direction from the HSO and notify the appropriate emergency organization. In the event of a fire or spill, the Site Supervisor will notify the appropriate local, state, and federal agencies.

Emergency Medical Treatment Procedures

Any person who becomes ill or injured in the Exclusion Zone must be decontaminated to the maximum extent possible. If the injury or illness is minor, full decontamination should be completed and first aid administered prior to transport. If the patient's condition is serious, at least partial decontamination should be completed (i.e., complete disrobing of the victim and redressing in clean coveralls or wrapping in a blanket). First aid should be administered while awaiting an ambulance or paramedics. All injuries and illnesses must be reported to the project manager immediately.

Any person being transported to a clinic or hospital for treatment should take with them information on the chemical(s) they have been exposed to, if applicable. This information is included in this report.

Any vehicle used to transport contaminated personnel will be treated and cleaned as necessary.

Fire or Explosion Procedures

In the event of a fire or explosion, the local fire department should be summoned immediately. Upon their arrival, the project manager or designated alternate will advise the fire commander of the location, nature, and identification of the hazardous materials on-site, if applicable.

If it is safe to do so, site personnel may:

- Use fire fighting equipment available on-site to control or extinguish the fire.
- Remove or isolate flammable or other hazardous materials, if present, which may contribute to the fire.

Spill and Leak Procedures

In the event of a spill or a leak of a hazardous material, site personnel will:

- Inform their supervisor immediately
- Locate the spill source and stop the flow, if it can be done safely
- Begin containment and recovery of the spilled materials

RECORD KEEPING

The HSO or Site Supervisor will maintain a complete chronologic job log, which includes the following:

- Date, times, and weather conditions
- Names of all site workers
- Air monitoring activities – Note that levels detected on all monitoring devices are to be recorded every 10 minutes
- Work activities and progress
- Sampling conducted
- Work practices
- Any violation of established safety procedures
- Emergency response
- Worker injuries

I have read this health and safety plan and agree to comply with its requirements.

Name:_____

Signature:_____

Date:_____

Name:_____

Signature:_____

Date:_____

Name:_____

Signature:_____

Date:_____

Name:_____

Signature:_____

Date:_____

Name:_____

Signature:_____

Date:_____

Name:_____

Signature:_____

Date:_____

Name:_____

Signature:_____

Date:_____

Appendix III

Soil Boring Geologic Logs

Environmental Building Solutions, LLC. 231 West 29th Street, Suite 601 New York, NY 10001 (646)290-5925	Client: **Marion Smith**	Boring No.: **A1**
	Project Number: **12-455** Task Number:	Boring location: **Latitude: 40.715611** **Longitude: -73.963966**
Driller: Evan Moraitis and Quincy Brandt Geologist:	Project Location: **87 Grand Street Brooklyn , NY**	
Groundwater Observations: **At 20- 25 Ft.**	Type: Geoprobe **Truck #:GP30** **Model #:6620DT** Macrocore Size: 2-inch	Date: **April 24, 2012**

Depth	Sample Identification	Recovery (ft.)	PID Reading	Field Identification of Soil and Observations
0				
4				
10				
20				
	20-25 ft			Groundwater at 25 ft gb.
30				

Trace (tr): 1-10% Little (l): 10-20% Some (s): 20-35% And: 35-50%

Environmental Building Solutions, LLC. 231 West 29th Street, Suite 601 New York, NY 10001 (646)290-5925	Client: **Marion Smith**	Boring No.: **A2**
	Project Number: **12-455** Task Number:	Boring location: **Latitude: 40.755881** **Longitude: -73.963898**
Driller: Quincy Brandt Geologist:	Project Location: **87 Grand Street Brooklyn , NY**	
Groundwater Observations: **At 20- 25 Ft.**	Type: Geoprobe **Truck #:GP30** **Model #:6620DT** Macrocore Size: 2-inch	Date: **April 24, 2012**

Depth	Sample Identification	Recovery (ft.)	PID Reading	Field Identification of Soil and Observations
0				
4				
10				
20				
	22-25 ft			Groundwater at 25 ft gb.
30	.			

Environmental Building Solutions, LLC. 231 West 29th Street, Suite 601 New York, NY 10001 (646)290-5925	Client: **Marion Smith**	Boring No.: **A3**
	Project Number: **12-455** Task Number:	Boring location: **Latitude: 40.755880** **Longitude: -73.963951**
Driller: Evan Moraitis and Quincy Brandt Geologist:	Project Location: **87 Grand Street Brooklyn , NY**	
Groundwater Observations: **At 30- 37 Ft.**	Type: Geoprobe **Truck #:GP30** **Model #:6620DT** Macrocore Size: 2-inch	Date: **April 24, 2012**

Depth	Sample Identification	Recovery (ft.)	PID Reading	Field Identification of Soil and Observations
0				
10				
25				
30	30-37 ft			Groundwater at 37ft gb.
40	.			

Environmental Building Solutions, LLC. 231 West 29th Street, Suite 601 New York, NY 10001 (646)290-5925	Client: **Marion Smit**	Boring No.: **A1**
	Project Number: **12-455** Task Number:	Boring location: **Latitude: 40.715611** **Longitude: -73.963966**
Driller: Evan Moraitis and Quincy Brandt Geologist:	Project Location: **87 Grand Street Brooklyn , NY**	
Groundwater Observations: **At 20- 25 Ft.**	Type: Geoprobe **Truck #:GP30** **Model #:6620DT** Macrocore Size: 2-inch	Date: **April 24, 2012**

Depth	Sample Identification	Recovery (ft.)	PID Reading	Field Identification of Soil and Observations
0	0-2ft		146	Soil – Gray brown gravelly fine dry sand with sediments
4				
8				
	10-12 ft		285	Soil – Gray brown, course to fine sand with sediments
12				
16				
20	20-25 ft			Soil – Gray brown , course to fine sand. Groundwater at 22-25ft gb.
30			0	

Trace (tr): 1-10% Little (l): 10-20% Some (s): 20-35% And: 35-50%

Environmental Building Solutions, LLC. 231 West 29th Street, Suite 601 New York, NY 10001 (646)290-5925	Client: **Marion Smit**	Boring No.: **A2**
	Project Number: **12-455** Task Number:	Boring location: **Latitude: 40.755881** **Longitude: -73.963898**
Driller: Evan Moraitis and Quincy Brandt Geologist:	Project Location: **87 Grand Street Brooklyn , NY**	
Groundwater Observations: **At 22 Ft.**	Type: Geoprobe **Truck #:GP30** **Model #:6620DT** Macrocore Size: 2-inch	Date: **April 24, 2012**

Depth	Sample Identification	Recovery (ft.)	PID Reading	Field Identification of Soil and Observations
0	0-2ft		159	Soil – Gray brown gravelly fine dry sand with sediments
4				
8				
	10-15 ft		139	Soil – Gray brown fine sand
12				
20	20-25 ft		111	Soil- brown course and wet sand Groundwater at 20 ft gb.
30	.			

Environmental Building Solutions, LLC. 231 West 29th Street, Suite 601 New York, NY 10001 (646)290-5925	Client: **Marion Smit**	Boring No.: **A3**
	Project Number: **12-455** Task Number:	Boring location: **Latitude: 40.755880** **Longitude: -73.963951**
Driller: Evan Moraitis and Quincy Brandt Geologist:	Project Location: **87 Grand Street Brooklyn , NY**	
Groundwater Observations: **At 22 Ft.**	Type: Geoprobe **Truck #:GP30** **Model #:6620DT** Macrocore Size: 2-inch	Date: **April 24, 2012**

Depth	Sample Identification	Recovery (ft.)	PID Reading	Field Identification of Soil and Observations
0	0-5ft		0	Soil – Gray brown gravelly fine dry sand with sediments
4				
	7-10 ft		139	Soil – Gray brown fine sand
8				
12	10-15 ft			Soil – Gray brown fine sand
16				
25	20-25 ft		0	Soil- brown course and wet sand Groundwater at 22-25ft gb.
30	.			

Environmental Building Solutions, LLC. 231 West 29th Street, Suite 601 New York, NY 10001 (646)290-5925	Client: **Marion Smit**	Boring No.: **A3**
	Project Number: **12-455** Task Number:	Boring location: **Latitude: 40.755880** **Longitude: -73.963951**
Driller: Evan Moraitis and Quincy Brandt Geologist:	Project Location: **87 Grand Street Brooklyn , NY**	
Groundwater Observations: **At 22 Ft.**	Type: Geoprobe **Truck #:GP30** **Model #:6620DT** Macrocore Size: 2-inch	Date: **April 24, 2012**

Depth	Sample Identification	Recovery (ft.)	PID Reading	Field Identification of Soil and Observations
0	0-5ft		0	Soil – Gray brown gravelly fine dry sand with sediments
4				
	7-10 ft		139	Soil – Gray brown fine sand
8				
12	10-15 ft			Soil – Gray brown fine sand
16				
20	20-25 ft		0	Soil- brown course and wet sand Groundwater at 22-25ft gb.
24				

Trace (tr): 1-10% Little (l): 10-20% Some (s): 20-35% And: 35-50%

Environmental Building Solutions, LLC. 231 West 29th Street, Suite 601 New York, NY 10001 (646)290-5925	Client: **Marion Smit**	Boring No.1
	Project Number: **12-455** Task Number:	Boring Location: By Hot Water Tank
Driller: Devin Everad from Recovery Environmental Services	Project Location: **89 Grand Street** **Brooklyn , NY**	
Groundwater Observations: No Ground water observation		Date: May 30,2012

Depth	Sample Identification	Recovery (ft.)	PID Reading	Field Identification of Soil and Observations
0				
	2ft		17.36	At 2ft smell of diesel fuel. Soil clean fine sand
	6ft		3.948	Soil clean fine sand and no smell of fuel oil.
10				
20				
30				

Trace (tr): 1-10% Little (l): 10-20% Some (s): 20-35% And: 35-50%

Appendix IV

Soil Analytical Data

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Laboratory Identifier: 1205411

Received: 5/31/2012 13:35
Sampled by: Sharon Dyal

Client: Environmental Building Solutions, LLC

231 West 29TH Street, Suite 601
New York,
NY 10001

Project: Marion Smit

89 Grand Street
Brooklyn,
NY 11211

Manager: Michael Borello

Respectfully submitted,

Juan R.Cuba - Technical Director

NYS Lab ID # 10969
NJ Lab ID # PH0645
CT Lab ID # PH0645
PA Lab ID # 68-0053

The information contained in this report is confidential and intended only for the use of the client listed above. This report shall not be reproduced, except in full, without the written consent of Environmental Quality Services, Inc. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY.

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks: See Case Narrative
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
67-64-1	Acetone	E174-2081	14.2	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E174-2081	3.80	ND	ug/Kg	U
67-66-3	Chloroform	E174-2081	4.24	ND	ug/Kg	U
71-43-2	Benzene	E174-2081	3.93	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E174-2081	3.82	ND	ug/Kg	U
74-83-9	Bromomethane	E174-2081	4.22	ND	ug/Kg	U
74-87-3	Chloromethane	E174-2081	3.13	ND	ug/Kg	U
74-95-3	Dibromomethane	E174-2081	3.36	ND	ug/Kg	U
74-97-5	Bromochloromethane	E174-2081	4.16	ND	ug/Kg	U
75-00-3	Chloroethane	E174-2081	4.20	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E174-2081	4.62	ND	ug/Kg	U
75-09-2	Methylene Chloride	E174-2081	3.95	ND	ug/Kg	U
75-15-0	Carbon disulfide	E174-2081	2.75	ND	ug/Kg	U
75-25-2	Bromoform	E174-2081	1.91	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E174-2081	2.60	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E174-2081	3.36	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E174-2081	3.97	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E174-2081	31.7	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E174-2081	4.01	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E174-2081	2.18	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E174-2081	3.61	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E174-2081	4.24	ND	ug/Kg	U
78-93-3	2-Butanone	E174-2081	7.62	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E174-2081	4.01	ND	ug/Kg	U
79-01-6	Trichloroethene	E174-2081	3.65	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E174-2081	4.18	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E174-2081	3.70	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E174-2081	3.78	ND	ug/Kg	U
91-20-3	Naphthalene	E174-2081	2.92	ND	ug/Kg	U
95-47-6	o-xylene	E174-2081	4.60	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E174-2081	4.85	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E174-2081	4.37	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks: See Case Narrative
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
95-63-6	1,2,4-Trimethylbenzene	E174-2081	4.58	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E174-2081	3.32	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E174-2081	2.12	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E174-2081	3.78	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E174-2081	4.37	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E174-2081	4.45	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E174-2081	4.51	ND	ug/Kg	U
100-41-4	Ethylbenzene	E174-2081	3.72	ND	ug/Kg	U
100-42-5	Styrene	E174-2081	3.80	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E174-2081	4.09	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E174-2081	4.51	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E174-2081	4.16	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E174-2081	4.35	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E174-2081	4.45	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E174-2081	3.93	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E174-2081	4.22	ND	ug/Kg	U
107-13-1	Acrylonitrile	E174-2081	8.17	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E174-2081	10.2	ND	ug/Kg	U
108-38-3	m,p-xylene	E174-2081	8.78	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E174-2081	4.54	ND	ug/Kg	U
108-86-1	Bromobenzene	E174-2081	4.56	ND	ug/Kg	U
108-88-3	Toluene	E174-2081	3.99	ND	ug/Kg	U
108-90-7	Chlorobenzene	E174-2081	4.49	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E174-2081	6.05	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E174-2081	3.91	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E174-2081	2.50	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E174-2081	4.49	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E174-2081	4.58	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E174-2081	4.60	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E174-2081	3.88	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E174-2081	3.82	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E174-2081	4.26	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks: See Case Narrative
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
563-58-6	1,1-Dichloropropene	E174-2081	3.67	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E174-2081	3.63	ND	ug/Kg	U
591-78-6	2-Hexanone	E174-2081	6.74	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E174-2081	4.49	ND	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	E174-2081	3.91	ND	ug/Kg	U
994-05-8	TAME	E174-2081	3.70	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E174-2081	3.61	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E174-2081	4.07	ND	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	E174-2081	3.05	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E174-2081	105.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E174-2081	94.8 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E174-2081	98.6 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E174-2081	97.8 %	(87 - 109)	

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks: See Case Narrative
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
67-64-1	Acetone	E174-2082	14.0	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E174-2082	3.76	ND	ug/Kg	U
67-66-3	Chloroform	E174-2082	4.20	ND	ug/Kg	U
71-43-2	Benzene	E174-2082	3.89	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E174-2082	3.79	ND	ug/Kg	U
74-83-9	Bromomethane	E174-2082	4.18	ND	ug/Kg	U
74-87-3	Chloromethane	E174-2082	3.10	ND	ug/Kg	U
74-95-3	Dibromomethane	E174-2082	3.33	ND	ug/Kg	U
74-97-5	Bromochloromethane	E174-2082	4.12	ND	ug/Kg	U
75-00-3	Chloroethane	E174-2082	4.16	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E174-2082	4.58	ND	ug/Kg	U
75-09-2	Methylene Chloride	E174-2082	3.91	ND	ug/Kg	U
75-15-0	Carbon disulfide	E174-2082	2.72	ND	ug/Kg	U
75-25-2	Bromoform	E174-2082	1.89	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E174-2082	2.58	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E174-2082	3.33	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E174-2082	3.93	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E174-2082	31.4	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E174-2082	3.97	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E174-2082	2.16	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E174-2082	3.58	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E174-2082	4.20	ND	ug/Kg	U
78-93-3	2-Butanone	E174-2082	7.55	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E174-2082	3.97	ND	ug/Kg	U
79-01-6	Trichloroethene	E174-2082	3.62	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E174-2082	4.14	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E174-2082	3.66	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E174-2082	3.74	ND	ug/Kg	U
91-20-3	Naphthalene	E174-2082	2.89	ND	ug/Kg	U
95-47-6	o-xylene	E174-2082	4.56	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E174-2082	4.80	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E174-2082	4.33	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks: See Case Narrative
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
95-63-6	1,2,4-Trimethylbenzene	E174-2082	4.53	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E174-2082	3.29	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E174-2082	2.10	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E174-2082	3.74	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E174-2082	4.33	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E174-2082	4.41	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E174-2082	4.47	ND	ug/Kg	U
100-41-4	Ethylbenzene	E174-2082	3.68	ND	ug/Kg	U
100-42-5	Styrene	E174-2082	3.76	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E174-2082	4.06	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E174-2082	4.47	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E174-2082	4.12	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E174-2082	4.31	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E174-2082	4.41	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E174-2082	3.89	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E174-2082	4.18	ND	ug/Kg	U
107-13-1	Acrylonitrile	E174-2082	8.09	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E174-2082	10.1	ND	ug/Kg	U
108-38-3	m,p-xylene	E174-2082	8.69	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E174-2082	4.49	ND	ug/Kg	U
108-86-1	Bromobenzene	E174-2082	4.51	ND	ug/Kg	U
108-88-3	Toluene	E174-2082	3.95	ND	ug/Kg	U
108-90-7	Chlorobenzene	E174-2082	4.45	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E174-2082	5.99	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E174-2082	3.87	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E174-2082	2.48	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E174-2082	4.45	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E174-2082	4.53	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E174-2082	4.56	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E174-2082	3.85	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E174-2082	3.79	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E174-2082	4.22	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks: See Case Narrative
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
563-58-6	1,1-Dichloropropene	E174-2082	3.64	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E174-2082	3.60	ND	ug/Kg	U
591-78-6	2-Hexanone	E174-2082	6.68	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E174-2082	4.45	ND	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	E174-2082	3.87	ND	ug/Kg	U
994-05-8	TAME	E174-2082	3.66	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E174-2082	3.58	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E174-2082	4.04	ND	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	E174-2082	3.02	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E174-2082	106.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E174-2082	94.0 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E174-2082	98.5 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E174-2082	95.6 %	(87 - 109)	

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks: See Case Narrative
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
67-64-1	Acetone	C4100-916	2.92	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4100-916	0.44	ND	ug/L	U
67-66-3	Chloroform	C4100-916	0.46	ND	ug/L	U
71-43-2	Benzene	C4100-916	0.43	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4100-916	0.52	ND	ug/L	U
74-83-9	Bromomethane	C4100-916	0.59	ND	ug/L	U
74-87-3	Chloromethane	C4100-916	0.51	ND	ug/L	U
74-95-3	Dibromomethane	C4100-916	0.47	ND	ug/L	U
74-97-5	Bromochloromethane	C4100-916	0.53	ND	ug/L	U
75-00-3	Chloroethane	C4100-916	0.94	ND	ug/L	U
75-01-4	Vinyl Chloride	C4100-916	0.43	ND	ug/L	U
75-09-2	Methylene Chloride	C4100-916	0.39	ND	ug/L	U
75-15-0	Carbon disulfide	C4100-916	0.40	ND	ug/L	U
75-25-2	Bromoform	C4100-916	0.37	ND	ug/L	U
75-27-4	Bromodichloromethane	C4100-916	0.50	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4100-916	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4100-916	0.37	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4100-916	8.92	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4100-916	0.52	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4100-916	0.49	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4100-916	0.47	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4100-916	0.52	ND	ug/L	U
78-93-3	2-Butanone	C4100-916	1.92	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4100-916	0.51	ND	ug/L	U
79-01-6	Trichloroethene	C4100-916	0.46	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4100-916	0.46	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4100-916	0.36	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4100-916	0.54	ND	ug/L	U
91-20-3	Naphthalene	C4100-916	0.33	ND	ug/L	U
95-47-6	o-xylene	C4100-916	0.37	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4100-916	0.36	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4100-916	0.49	ND	ug/L	U

Environmental Quality Services, Inc.
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6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks: See Case Narrative
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
95-63-6	1,2,4-Trimethylbenzene	C4100-916	0.44	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4100-916	0.35	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4100-916	0.28	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4100-916	0.54	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4100-916	0.44	ND	ug/L	U
98-82-8	Isopropylbenzene	C4100-916	0.44	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4100-916	0.34	ND	ug/L	U
100-41-4	Ethylbenzene	C4100-916	0.41	ND	ug/L	U
100-42-5	Styrene	C4100-916	0.39	ND	ug/L	U
103-65-1	n-Propylbenzene	C4100-916	0.41	ND	ug/L	U
104-51-8	n-Butylbenzene	C4100-916	0.43	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4100-916	0.39	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4100-916	0.52	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4100-916	0.40	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4100-916	0.47	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4100-916	0.50	ND	ug/L	U
107-13-1	Acrylonitrile	C4100-916	7.65	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4100-916	1.82	ND	ug/L	U
108-38-3	m,p-xylene	C4100-916	0.86	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4100-916	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4100-916	0.37	ND	ug/L	U
108-88-3	Toluene	C4100-916	0.45	ND	ug/L	U
108-90-7	Chlorobenzene	C4100-916	0.48	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4100-916	0.50	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4100-916	0.45	ND	ug/L	U
124-48-1	Dibromochloromethane	C4100-916	0.43	ND	ug/L	U
127-18-4	Tetrachloroethene	C4100-916	0.59	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4100-916	0.36	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4100-916	0.46	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4100-916	0.42	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4100-916	0.27	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4100-916	0.38	ND	ug/L	U

Environmental Quality Services, Inc.
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6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks: See Case Narrative
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
563-58-6	1,1-Dichloropropene	C4100-916	0.36	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4100-916	0.59	ND	ug/L	U
591-78-6	2-Hexanone	C4100-916	2.23	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4100-916	0.39	ND	ug/L	U
630-20-6	1,1,1,2-Tetrachloroethane	C4100-916	0.42	ND	ug/L	U
994-05-8	TAME	C4100-916	0.77	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4100-916	0.50	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4100-916	0.52	ND	ug/L	U
10061-02-6	t-1,3-Dichloropropene	C4100-916	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4100-916	102.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4100-916	98.4 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4100-916	93.1 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4100-916	109.0 %	(85 - 111)	

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6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-4
Client Sample ID: Trip Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Trip Blank
Remarks: See Case Narrative
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
67-64-1	Acetone	C4100-915	2.92	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4100-915	0.44	ND	ug/L	U
67-66-3	Chloroform	C4100-915	0.46	ND	ug/L	U
71-43-2	Benzene	C4100-915	0.43	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4100-915	0.52	ND	ug/L	U
74-83-9	Bromomethane	C4100-915	0.59	ND	ug/L	U
74-87-3	Chloromethane	C4100-915	0.51	ND	ug/L	U
74-95-3	Dibromomethane	C4100-915	0.47	ND	ug/L	U
74-97-5	Bromochloromethane	C4100-915	0.53	ND	ug/L	U
75-00-3	Chloroethane	C4100-915	0.94	ND	ug/L	U
75-01-4	Vinyl Chloride	C4100-915	0.43	ND	ug/L	U
75-09-2	Methylene Chloride	C4100-915	0.39	ND	ug/L	U
75-15-0	Carbon disulfide	C4100-915	0.40	ND	ug/L	U
75-25-2	Bromoform	C4100-915	0.37	ND	ug/L	U
75-27-4	Bromodichloromethane	C4100-915	0.50	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4100-915	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4100-915	0.37	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4100-915	8.92	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4100-915	0.52	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4100-915	0.49	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4100-915	0.47	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4100-915	0.52	ND	ug/L	U
78-93-3	2-Butanone	C4100-915	1.92	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4100-915	0.51	ND	ug/L	U
79-01-6	Trichloroethene	C4100-915	0.46	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4100-915	0.46	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4100-915	0.36	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4100-915	0.54	ND	ug/L	U
91-20-3	Naphthalene	C4100-915	0.33	ND	ug/L	U
95-47-6	o-xylene	C4100-915	0.37	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4100-915	0.36	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4100-915	0.49	ND	ug/L	U

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6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-4
Client Sample ID: Trip Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Trip Blank
Remarks: See Case Narrative
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
95-63-6	1,2,4-Trimethylbenzene	C4100-915	0.44	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4100-915	0.35	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4100-915	0.28	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4100-915	0.54	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4100-915	0.44	ND	ug/L	U
98-82-8	Isopropylbenzene	C4100-915	0.44	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4100-915	0.34	ND	ug/L	U
100-41-4	Ethylbenzene	C4100-915	0.41	ND	ug/L	U
100-42-5	Styrene	C4100-915	0.39	ND	ug/L	U
103-65-1	n-Propylbenzene	C4100-915	0.41	ND	ug/L	U
104-51-8	n-Butylbenzene	C4100-915	0.43	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4100-915	0.39	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4100-915	0.52	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4100-915	0.40	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4100-915	0.47	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4100-915	0.50	ND	ug/L	U
107-13-1	Acrylonitrile	C4100-915	7.65	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4100-915	1.82	ND	ug/L	U
108-38-3	m,p-xylene	C4100-915	0.86	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4100-915	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4100-915	0.37	ND	ug/L	U
108-88-3	Toluene	C4100-915	0.45	ND	ug/L	U
108-90-7	Chlorobenzene	C4100-915	0.48	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4100-915	0.50	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4100-915	0.45	ND	ug/L	U
124-48-1	Dibromochloromethane	C4100-915	0.43	ND	ug/L	U
127-18-4	Tetrachloroethene	C4100-915	0.59	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4100-915	0.36	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4100-915	0.46	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4100-915	0.42	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4100-915	0.27	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4100-915	0.38	ND	ug/L	U

Environmental Quality Services, Inc.
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6/14/2012

Volatiles - EPA 8260B

Sample: 1205411-4
Client Sample ID: Trip Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Trip Blank
Remarks: See Case Narrative
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
563-58-6	1,1-Dichloropropene	C4100-915	0.36	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4100-915	0.59	ND	ug/L	U
591-78-6	2-Hexanone	C4100-915	2.23	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4100-915	0.39	ND	ug/L	U
630-20-6	1,1,1,2-Tetrachloroethane	C4100-915	0.42	ND	ug/L	U
994-05-8	TAME	C4100-915	0.77	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4100-915	0.50	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4100-915	0.52	ND	ug/L	U
10061-02-6	t-1,3-Dichloropropene	C4100-915	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4100-915	103.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4100-915	99.6 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4100-915	96.2 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4100-915	110.0 %	(85 - 111)	

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6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2865-6620	43.7	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2865-6620	32.5	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2865-6620	31.8	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2865-6620	35.3	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2865-6620	34.3	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2865-6620	41.6	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2865-6620	22.8	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2865-6620	39.5	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2865-6620	34.5	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2865-6620	44.0	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2865-6620	370	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2865-6620	63.1	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2865-6620	43.3	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2865-6620	50.7	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2865-6620	50.7	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2865-6620	41.7	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2865-6620	37.6	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2865-6620	54.8	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2865-6620	32.0	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2865-6620	32.5	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2865-6620	50.7	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2865-6620	18.1	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2865-6620	460	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2865-6620	47.7	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2865-6620	39.2	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2865-6620	40.1	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2865-6620	40.9	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2865-6620	103	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2865-6620	701	ND	ug/Kg	U
83-32-9	Acenaphthene	C2865-6620	44.3	ND	ug/Kg	U
208-96-8	Acenaphthylene	C2865-6620	36.2	ND	ug/Kg	U
62-53-3	Aniline	C2865-6620	32.7	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2865-6620	46.8	ND	ug/Kg	U
92-87-5	Benzidine	C2865-6620	923	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2865-6620	44.5	ND	ug/Kg	U
50-32-8	Benzo(a)pyrene	C2865-6620	54.8	ND	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	C2865-6620	43.6	ND	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	C2865-6620	80.3	ND	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	C2865-6620	80.0	ND	ug/Kg	U
65-85-0	Benzoic acid	C2865-6620	6160	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2865-6620	62.0	ND	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2865-6620	55.5	ND	ug/Kg	U
86-74-8	Carbazole	C2865-6620	60.6	ND	ug/Kg	U
218-01-9	Chrysene	C2865-6620	55.6	ND	ug/Kg	U
	Cresols	C2865-6620	70.1	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2865-6620	59.2	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2865-6620	51.7	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2865-6620	58.7	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2865-6620	35.1	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2865-6620	68.8	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2865-6620	50.8	ND	ug/Kg	U
206-44-0	Fluoranthene	C2865-6620	57.9	ND	ug/Kg	U
86-73-7	Fluorene	C2865-6620	42.3	ND	ug/Kg	U
118-74-1	Hexachlorobenzene	C2865-6620	45.0	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2865-6620	42.1	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2865-6620	325	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2865-6620	46.8	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2865-6620	48.6	ND	ug/Kg	U
78-59-1	Isophorone	C2865-6620	48.1	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2865-6620	31.8	ND	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	C2865-6620	66.8	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2865-6620	57.3	ND	ug/Kg	U
91-20-3	Naphthalene	C2865-6620	42.3	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2865-6620	40.7	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
87-86-5	Pentachlorophenol	C2865-6620	399	ND	ug/Kg	U
85-01-8	Phenanthrene	C2865-6620	47.8	ND	ug/Kg	U
108-95-2	Phenol	C2865-6620	27.4	ND	ug/Kg	U
129-00-0	Pyrene	C2865-6620	38.9	ND	ug/Kg	U
110-86-1	Pyridine	C2865-6620	60.3	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2865-6620	43.5	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2865-6620	49.7	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2865-6620	38.6	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2865-6620	68.9	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2865-6620	27.7 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2865-6620	60.8 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2865-6620	57.7 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2865-6620	59.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2865-6620	56.1 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2865-6620	124.0 %	(18 - 137)	

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6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2865-6621	43.3	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2865-6621	32.2	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2865-6621	31.5	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2865-6621	35.0	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2865-6621	34.0	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2865-6621	41.3	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2865-6621	22.6	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2865-6621	39.2	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2865-6621	34.2	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2865-6621	43.5	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2865-6621	367	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2865-6621	62.5	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2865-6621	42.9	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2865-6621	50.2	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2865-6621	50.2	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2865-6621	41.4	**140**	ug/Kg	J
95-48-7	2-Methylphenol	C2865-6621	37.3	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2865-6621	54.3	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2865-6621	31.7	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2865-6621	32.2	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2865-6621	50.2	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2865-6621	17.9	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2865-6621	455	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2865-6621	47.3	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2865-6621	38.9	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2865-6621	39.7	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2865-6621	40.5	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2865-6621	102	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2865-6621	695	ND	ug/Kg	U
83-32-9	Acenaphthene	C2865-6621	43.9	ND	ug/Kg	U
208-96-8	Acenaphthylene	C2865-6621	35.8	ND	ug/Kg	U
62-53-3	Aniline	C2865-6621	32.4	ND	ug/Kg	U

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6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2865-6621	46.4	ND	ug/Kg	U
92-87-5	Benzidine	C2865-6621	915	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2865-6621	44.1	ND	ug/Kg	U
50-32-8	Benzo(a)pyrene	C2865-6621	54.3	ND	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	C2865-6621	43.2	ND	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	C2865-6621	79.6	ND	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	C2865-6621	79.3	ND	ug/Kg	U
65-85-0	Benzoic acid	C2865-6621	6100	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2865-6621	61.5	ND	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2865-6621	55.0	ND	ug/Kg	U
86-74-8	Carbazole	C2865-6621	60.0	ND	ug/Kg	U
218-01-9	Chrysene	C2865-6621	55.1	ND	ug/Kg	U
	Cresols	C2865-6621	69.5	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2865-6621	58.6	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2865-6621	51.3	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2865-6621	58.1	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2865-6621	34.8	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2865-6621	68.1	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2865-6621	50.3	ND	ug/Kg	U
206-44-0	Fluoranthene	C2865-6621	57.4	ND	ug/Kg	U
86-73-7	Fluorene	C2865-6621	41.9	ND	ug/Kg	U
118-74-1	Hexachlorobenzene	C2865-6621	44.6	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2865-6621	41.7	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2865-6621	322	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2865-6621	46.4	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2865-6621	48.1	ND	ug/Kg	U
78-59-1	Isophorone	C2865-6621	47.6	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2865-6621	31.5	ND	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	C2865-6621	66.1	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2865-6621	56.8	ND	ug/Kg	U
91-20-3	Naphthalene	C2865-6621	41.9	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2865-6621	40.3	ND	ug/Kg	U

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6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
87-86-5	Pentachlorophenol	C2865-6621	395	ND	ug/Kg	U
85-01-8	Phenanthrene	C2865-6621	47.4	**250**	ug/Kg	J
108-95-2	Phenol	C2865-6621	27.2	ND	ug/Kg	U
129-00-0	Pyrene	C2865-6621	38.5	ND	ug/Kg	U
110-86-1	Pyridine	C2865-6621	59.7	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2865-6621	43.1	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2865-6621	49.3	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2865-6621	38.2	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2865-6621	68.2	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2865-6621	25.2 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2865-6621	42.8 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2865-6621	44.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2865-6621	44.0 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2865-6621	44.5 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2865-6621	111.0 %	(18 - 137)	

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6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/6/2012
Preparation Date(s) : 6/6/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2866-6628	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2866-6628	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2866-6628	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2866-6628	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2866-6628	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2866-6628	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2866-6628	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2866-6628	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2866-6628	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2866-6628	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2866-6628	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2866-6628	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2866-6628	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2866-6628	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2866-6628	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2866-6628	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2866-6628	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2866-6628	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2866-6628	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2866-6628	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2866-6628	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2866-6628	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2866-6628	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2866-6628	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2866-6628	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2866-6628	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2866-6628	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2866-6628	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2866-6628	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2866-6628	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2866-6628	0.93	ND	ug/L	U
62-53-3	Aniline	C2866-6628	0.23	ND	ug/L	U

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6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/6/2012
Preparation Date(s) : 6/6/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2866-6628	0.84	ND	ug/L	U
92-87-5	Benzidine	C2866-6628	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2866-6628	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2866-6628	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2866-6628	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2866-6628	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2866-6628	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2866-6628	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2866-6628	0.48	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2866-6628	1.33	ND	ug/L	U
86-74-8	Carbazole	C2866-6628	1.08	ND	ug/L	U
218-01-9	Chrysene	C2866-6628	0.95	ND	ug/L	U
	Cresols	C2866-6628	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2866-6628	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2866-6628	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2866-6628	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2866-6628	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2866-6628	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2866-6628	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2866-6628	0.86	ND	ug/L	U
86-73-7	Fluorene	C2866-6628	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2866-6628	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2866-6628	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2866-6628	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2866-6628	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2866-6628	0.95	ND	ug/L	U
78-59-1	Isophorone	C2866-6628	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2866-6628	0.74	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2866-6628	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2866-6628	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2866-6628	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2866-6628	0.91	ND	ug/L	U

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6/14/2012

Semivolatile Compounds - EPA 8270C

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/6/2012
Preparation Date(s) : 6/6/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2866-6628	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2866-6628	0.90	ND	ug/L	U
108-95-2	Phenol	C2866-6628	0.25	ND	ug/L	U
129-00-0	Pyrene	C2866-6628	1.01	ND	ug/L	U
110-86-1	Pyridine	C2866-6628	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2866-6628	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2866-6628	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2866-6628	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2866-6628	1.44	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2866-6628	30.0 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2866-6628	51.2 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	C2866-6628	25.4 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	C2866-6628	51.3 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2866-6628	14.8 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2866-6628	119.0 %	(33 - 141)	

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6/14/2012

TAGM Herbicides by SW 846 8321A

Sample: 1205411-1

Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/7/2012
Preparation Date(s) : 6/7/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
94-75-7	2,4-D	N503-13	273	ND	ug/Kg	U
93-76-5	2,4,5-T	N503-13	389	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N503-13	389	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N503-13	47.3 %	(04 - 100)	

Sample: 1205411-2

Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/7/2012
Preparation Date(s) : 6/7/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
94-75-7	2,4-D	N503-14	271	ND	ug/Kg	U
93-76-5	2,4,5-T	N503-14	385	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N503-14	385	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N503-14	34.0 %	(04 - 100)	

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6/14/2012

TAGM Herbicides by SW 846 8321A

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/7/2012
Preparation Date(s) : 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
94-75-7	2,4-D	N503-9	2.70	ND	ug/L	U
93-76-5	2,4,5-T	N503-9	4.10	ND	ug/L	U
93-72-1	Silvex(2,4,5-TP)	N503-9	4.10	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N503-9	52.4 %	(10 - 120)	

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6/14/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1205411-1

Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1387-5	16.7	ND	ug/Kg	U
11104-28-2	PCB 1221	K1387-5	16.7	ND	ug/Kg	U
11141-16-5	PCB 1232	K1387-5	16.7	ND	ug/Kg	U
53469-21-9	PCB 1242	K1387-5	16.7	ND	ug/Kg	U
12672-29-6	PCB 1248	K1387-5	16.7	ND	ug/Kg	U
11097-69-1	PCB 1254	K1387-5	16.7	ND	ug/Kg	U
11096-82-5	PCB 1260	K1387-5	11.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1387-5	76.4 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1387-5	47.1 %	(30 - 150)	

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6/14/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1205411-2

Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1387-6	16.6	ND	ug/Kg	U
11104-28-2	PCB 1221	K1387-6	16.6	ND	ug/Kg	U
11141-16-5	PCB 1232	K1387-6	16.6	ND	ug/Kg	U
53469-21-9	PCB 1242	K1387-6	16.6	ND	ug/Kg	U
12672-29-6	PCB 1248	K1387-6	16.6	ND	ug/Kg	U
11097-69-1	PCB 1254	K1387-6	16.6	ND	ug/Kg	U
11096-82-5	PCB 1260	K1387-6	11.6	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1387-6	112.0 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1387-6	51.7 %	(30 - 150)	

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6/14/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/5/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
12674-11-2	PCB 1016	K1387-13	0.074	ND	ug/L	U
11104-28-2	PCB 1221	K1387-13	0.090	ND	ug/L	U
11141-16-5	PCB 1232	K1387-13	0.090	ND	ug/L	U
53469-21-9	PCB 1242	K1387-13	0.090	ND	ug/L	U
12672-29-6	PCB 1248	K1387-13	0.090	ND	ug/L	U
11097-69-1	PCB 1254	K1387-13	0.090	ND	ug/L	U
11096-82-5	PCB 1260	K1387-13	0.10	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1387-13	58.9 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1387-13	45.6 %	(30 - 150)	

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6/14/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/12/2012
Preparation Date(s) : 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
319-84-6	alpha-BHC	K1392-7	0.75	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	K1392-7	1.46	ND	ug/Kg	U
319-85-7	beta-BHC	K1392-7	0.81	ND	ug/Kg	U
319-86-8	delta-BHC	K1392-7	1.44	ND	ug/Kg	U
76-44-8	Heptachlor	K1392-7	0.66	ND	ug/Kg	U
309-00-2	Aldrin	K1392-7	1.03	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	K1392-7	1.07	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	K1392-7	2.07	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	K1392-7	1.25	ND	ug/Kg	U
72-55-9	4,4'-DDE	K1392-7	1.74	ND	ug/Kg	U
959-98-8	Endosulfan I	K1392-7	1.13	ND	ug/Kg	U
60-57-1	Dieldrin	K1392-7	1.65	ND	ug/Kg	U
72-20-8	Endrin	K1392-7	1.25	ND	ug/Kg	U
72-54-8	4,4'-DDD	K1392-7	1.44	ND	ug/Kg	U
33213-65-9	Endosulfan II	K1392-7	0.76	ND	ug/Kg	U
50-29-3	4,4'-DDT	K1392-7	0.54	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	K1392-7	0.84	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	K1392-7	1.91	ND	ug/Kg	U
72-43-5	Methoxychlor	K1392-7	1.63	ND	ug/Kg	U
53494-70-5	Endrin ketone	K1392-7	2.43	ND	ug/Kg	U
8001-35-2	Toxaphene	K1392-7	42.0	ND	ug/Kg	U
57-74-9	Chlordane	K1392-7	8.41	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1392-7	180.0 %	(30 - 150)	*
877-09-8	TETRACHLORO M-XYLENE	K1392-7	104.0 %	(30 - 150)	

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6/14/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/12/2012
Preparation Date(s) : 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
319-84-6	alpha-BHC	K1392-8	0.74	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	K1392-8	1.45	ND	ug/Kg	U
319-85-7	beta-BHC	K1392-8	0.80	ND	ug/Kg	U
319-86-8	delta-BHC	K1392-8	1.43	ND	ug/Kg	U
76-44-8	Heptachlor	K1392-8	0.66	ND	ug/Kg	U
309-00-2	Aldrin	K1392-8	1.02	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	K1392-8	1.06	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	K1392-8	2.05	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	K1392-8	1.24	ND	ug/Kg	U
72-55-9	4,4'-DDE	K1392-8	1.72	ND	ug/Kg	U
959-98-8	Endosulfan I	K1392-8	1.11	ND	ug/Kg	U
60-57-1	Dieldrin	K1392-8	1.64	ND	ug/Kg	U
72-20-8	Endrin	K1392-8	1.24	ND	ug/Kg	U
72-54-8	4,4'-DDD	K1392-8	1.43	ND	ug/Kg	U
33213-65-9	Endosulfan II	K1392-8	0.75	ND	ug/Kg	U
50-29-3	4,4'-DDT	K1392-8	0.53	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	K1392-8	0.83	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	K1392-8	1.90	ND	ug/Kg	U
72-43-5	Methoxychlor	K1392-8	1.61	ND	ug/Kg	U
53494-70-5	Endrin ketone	K1392-8	2.41	ND	ug/Kg	U
8001-35-2	Toxaphene	K1392-8	41.6	ND	ug/Kg	U
57-74-9	Chlordane	K1392-8	8.33	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1392-8	90.9 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1392-8	56.3 %	(30 - 150)	

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6/14/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/12/2012
Preparation Date(s) : 6/5/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
319-84-6	alpha-BHC	K1392-6	0.0010	ND	ug/L	U
58-89-9	gamma-BHC (Lindane)	K1392-6	0.0010	ND	ug/L	U
319-85-7	beta-BHC	K1392-6	0.0010	ND	ug/L	U
319-86-8	delta-BHC	K1392-6	0.0010	ND	ug/L	U
76-44-8	Heptachlor	K1392-6	0.0010	ND	ug/L	U
309-00-2	Aldrin	K1392-6	0.0010	ND	ug/L	U
1024-57-3	Heptachlor epoxide	K1392-6	0.0010	ND	ug/L	U
5103-74-2	gamma-Chlordane	K1392-6	0.0010	ND	ug/L	U
5103-71-9	alpha-Chlordane	K1392-6	0.0010	ND	ug/L	U
72-55-9	4,4'-DDE	K1392-6	0.0010	ND	ug/L	U
959-98-8	Endosulfan I	K1392-6	0.0010	ND	ug/L	U
60-57-1	Dieldrin	K1392-6	0.0010	ND	ug/L	U
72-20-8	Endrin	K1392-6	0.0010	ND	ug/L	U
72-54-8	4,4'-DDD	K1392-6	0.0010	ND	ug/L	U
33213-65-9	Endosulfan II	K1392-6	0.0020	ND	ug/L	U
50-29-3	4,4'-DDT	K1392-6	0.0010	ND	ug/L	U
1031-07-8	Endosulfan sulfate	K1392-6	0.0010	ND	ug/L	U
7421-36-3	Endrin Aldehyde	K1392-6	0.0010	ND	ug/L	U
72-43-5	Methoxychlor	K1392-6	0.0010	ND	ug/L	U
53494-70-5	Endrin ketone	K1392-6	0.0010	ND	ug/L	U
8001-35-2	Toxaphene	K1392-6	0.32	ND	ug/L	U
57-74-9	Chlordane	K1392-6	0.059	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1392-6	73.9 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1392-6	44.6 %	(30 - 150)	

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6/14/2012

Mercury by SW846 7470/7471/EPA 245.1

Sample: 1205411-1

Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/4/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.0058	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1205411-2

Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/4/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.0055	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1205411-3

Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/4/2012
Preparation Date(s) : 6/4/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000027	ND	mg/L	U

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6/14/2012

TAL Metals by SW846 6010

Sample: 1205411-1

Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/4/2012
Preparation Date(s) : 6/4/2012 6/4/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.45	**2720**	mg/Kg	
7440-36-0	Antimony	0.51	ND	mg/Kg	U
7440-38-2	Arsenic	0.22	ND	mg/Kg	U
7440-39-3	Barium	0.057	**44.4**	mg/Kg	
7440-41-7	Beryllium	0.057	ND	mg/Kg	U
7440-43-9	Cadmium	0.023	ND	mg/Kg	U
7440-70-2	Calcium	0.80	**6670**	mg/Kg	
7440-47-3	Chromium	0.068	**5.90**	mg/Kg	
7440-48-4	Cobalt	0.042	**3.36**	mg/Kg	
7440-50-8	Copper	0.19	**8.79**	mg/Kg	
7439-89-6	Iron	1.67	**6170**	mg/Kg	
7439-92-1	Lead	0.13	**3.16**	mg/Kg	
7439-95-4	Magnesium	2.94	**3260**	mg/Kg	
7439-96-5	Manganese	0.067	**168**	mg/Kg	
7440-02-0	Nickel	0.081	**10.5**	mg/Kg	
7440-09-7	Potassium	3.70	**933**	mg/Kg	
7782-49-2	Selenium	0.37	ND	mg/Kg	U
7440-22-4	Silver	0.038	ND	mg/Kg	U
7440-23-5	Sodium	1.81	**124**	mg/Kg	
7440-28-0	Thallium	0.29	ND	mg/Kg	U
7440-62-2	Vanadium	0.038	**10.0**	mg/Kg	
7440-66-6	Zinc	0.36	**11.6**	mg/Kg	

* Results are reported on a dry weight basis

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6/14/2012

TAL Metals by SW846 6010

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/4/2012
Preparation Date(s) : 6/4/2012 6/4/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.46	**1180**	mg/Kg	
7440-36-0	Antimony	0.52	ND	mg/Kg	U
7440-38-2	Arsenic	0.22	ND	mg/Kg	U
7440-39-3	Barium	0.058	**23.3**	mg/Kg	
7440-41-7	Beryllium	0.058	ND	mg/Kg	U
7440-43-9	Cadmium	0.023	**0.20**	mg/Kg	
7440-70-2	Calcium	0.81	**18100**	mg/Kg	
7440-47-3	Chromium	0.069	**18.9**	mg/Kg	
7440-48-4	Cobalt	0.043	**2.56**	mg/Kg	
7440-50-8	Copper	0.19	**188**	mg/Kg	
7439-89-6	Iron	1.69	**7730**	mg/Kg	
7439-92-1	Lead	0.13	**35.2**	mg/Kg	
7439-95-4	Magnesium	2.97	**8690**	mg/Kg	
7439-96-5	Manganese	0.068	**56.9**	mg/Kg	
7440-02-0	Nickel	0.082	**13.5**	mg/Kg	
7440-09-7	Potassium	3.74	**164**	mg/Kg	
7782-49-2	Selenium	0.37	ND	mg/Kg	U
7440-22-4	Silver	0.038	ND	mg/Kg	U
7440-23-5	Sodium	1.83	**91.6**	mg/Kg	
7440-28-0	Thallium	0.29	ND	mg/Kg	U
7440-62-2	Vanadium	0.039	**15.7**	mg/Kg	
7440-66-6	Zinc	0.36	**126**	mg/Kg	

* Results are reported on a dry weight basis

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6/14/2012

TAL Metals by SW846 6010

Sample: 1205411-3
Client Sample ID: Field Blank Collected: 5/31/2012
Matrix: Liquid Type: Field Blank
Remarks:
Analyzed Date: 6/4/2012
Preparation Date(s) : 6/4/2012 6/4/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.042	**0.094**	mg/L	
7440-36-0	Antimony	0.015	ND	mg/L	U
7440-38-2	Arsenic	0.0063	ND	mg/L	U
7440-39-3	Barium	0.0017	**0.0053**	mg/L	
7440-41-7	Beryllium	0.0017	ND	mg/L	U
7440-43-9	Cadmium	0.00067	ND	mg/L	U
7440-70-2	Calcium	0.023	**0.34**	mg/L	
7440-47-3	Chromium	0.0020	ND	mg/L	U
7440-48-4	Cobalt	0.0012	ND	mg/L	U
7440-50-8	Copper	0.0056	ND	mg/L	U
7439-89-6	Iron	0.049	**0.27**	mg/L	
7439-92-1	Lead	0.0038	ND	mg/L	U
7439-95-4	Magnesium	0.086	ND	mg/L	U
7439-96-5	Manganese	0.0020	**0.050**	mg/L	
7440-02-0	Nickel	0.0024	ND	mg/L	U
7440-09-7	Potassium	0.11	**0.87**	mg/L	
7782-49-2	Selenium	0.011	ND	mg/L	U
7440-22-4	Silver	0.0011	ND	mg/L	U
7440-23-5	Sodium	0.053	**0.84**	mg/L	
7440-28-0	Thallium	0.0083	ND	mg/L	U
7440-62-2	Vanadium	0.0011	ND	mg/L	U
7440-66-6	Zinc	0.010	**0.055**	mg/L	

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6/14/2012

Hexavalent Chromium by SM 3500D

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/11/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	**0.030**	mg/Kg	J

* Results are reported on a dry weight basis

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/11/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	**0.13**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 5/31/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.0070	ND	mg/L	U

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6/14/2012

Trivalent Chromium

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/12/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**5.87**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/12/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**18.8**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/12/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Chromium +3	0	ND	mg/L	

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6/14/2012

Total Cyanide by SM 4500-CN C

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.0074	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.0073	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/1/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
57-12-5	Cyanide	0.0070	ND	mg/L	U

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6/14/2012

Flash Point (Ignitability) - SW 846 1010

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/7/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°F	

* Results are reported on a dry weight basis

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/7/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°F	

* Results are reported on a dry weight basis

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/7/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Flash Point	0	>100	°C	

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6/14/2012

pH - Liquid @ 25 Degrees C SM 4500-H B

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks: pH analyzed out of hold
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**5.82**	pH Units	

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6/14/2012

pH - Soil @ 25 Degrees C - SW 846 9045C

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**8.71**	pH Units	

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**6.98**	pH Units	

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6/14/2012

Reactivity -SW 846 9010

Sample: 1205411-1
Client Sample ID: Elevator Pit @ 0-2ft
Collected: 5/31/2012 13:00
Matrix: Soil
Type: Grab
% Solid: 95.1%
Remarks:
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1205411-2
Client Sample ID: Elevator Pit @ 6ft
Collected: 5/31/2012 13:20
Matrix: Soil
Type: Grab
% Solid: 96%
Remarks:
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1205411-3
Client Sample ID: Field Blank
Collected: 5/31/2012
Matrix: Liquid
Type: Field Blank
Remarks:
Analyzed Date: 6/5/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Releasable Cyanide	0.10	ND	mg/L	U
	Releasable H2 Sulfide	0.010	ND	mg/L	U

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6/14/2012

Case Narrative

PESTICIDES ANALYSIS

Sample 3 contains a lot of organic compound that might be chlrinated compounds, but not target pesticde was found.

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6/14/2012

Case Narrative

EPA 8270 Semi-Volatiles

Initial Calibration:
Average Response was used as the method of quantitation with the exception of the following compounds whose %RSD was >15%. For these compounds, linear regression was used:

benzoic acid(coeffcient 0.949)
Haxaclorocyclopentadiene (coefficient 0.949)
2,3,4,6-Tetrachlorophenol (coefficient 0.997)
4-Nitrophenol (coefficient 0.998)
2,4-Dinitrotoluene (coefficient 0.998)
2,3,4,6 Tetrachlorophenol (coefficient 0.997)
4,6dinitro-2-methylphenol(coefficient 0.972)
2,4,6-Tribromophenol (coefficient 0.984)
Pentachlorophenol (coefficient 0.941)

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6/14/2012

Case Narrative

EPA 8260 VOLATILE SOIL ANALYSIS:

The following compounds were calibrated at 25, 50, 100,
150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and
300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Initial Calibration:
Average response factor for the quantitation method was acceptable for all compounds
with the following exceptions in which linear regression was used:

Tert butyl alcohol (coef = 0.974)
Tert amyl alcohol (coef= 0.855)
2-Butanone (coef = 0.994)
2-chloroethylvinylether (coef = 0.989)
Naphtahalene (coef = 0.993)

The following compounds exhibited a % RSD of >15 % in the initial calibration

Bromomethane 24.48
Trichlorofluoromethane 38.88
Tert butyl alcohol 15.91
Acrylonitrile 21.24
2-Butanone 17.72
Tert amyl alcohol 21.72
2-chloroethylvinylether 35.17
Naphthalene 18.85

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6/14/2012

Case Narrative

METALS ANALYSIS

Batch C4291

As,Se,Tl for sample#1, As,Sb,Se for sample#2, Ag,Be for sample#3 were rejected after a review of the spectra revealed no peaks above the baseline.

pH soil taken from 1gram of sample brought to 50mL with DI H2O

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6/14/2012

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Quality Services, Inc.
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5/1/2012

Laboratory Identifier: 1204349

Received: 4/26/2012 11:00
Sampled by: Sharon Dyal

Client: Environmental Building Solutions, LLC

231 West 29TH Street, Suite 601
New York,
NY 10001

Project: Marion Smit

87 Grand Street
Brooklyn,
NY 11211

Manager: Michael Borello

Respectfully submitted,

Juan R.Cuba - Technical Director

NYS Lab ID # 10969
NJ Lab ID # PH0645
CT Lab ID # PH0645
PA Lab ID # 68-0053

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Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 10:00
% Solid: 88.5%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1620	2.10	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1620	2.06	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1620	2.25	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1620	2.16	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1620	1.94	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1620	1.81	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1620	2.14	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1620	1.98	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1620	1.99	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1620	2.03	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1620	1.79	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1620	2.10	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1620	2.46	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1620	1.14	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1620	2.11	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1620	2.35	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1620	2.27	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1620	2.28	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1620	2.44	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1620	2.29	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1620	2.47	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1620	2.40	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1620	1.95	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1620	4.10	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1620	3.25	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1620	2.61	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1620	3.63	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1620	2.34	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1620	2.43	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1620	5.49	ND	ug/Kg	U
67-64-1	Acetone	E148-1620	7.63	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1620	4.40	ND	ug/Kg	U

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 10:00
% Solid: 88.5%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1620	2.11	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1620	2.45	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1620	2.24	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1620	1.40	ND	ug/Kg	U
75-25-2	Bromoform	E148-1620	1.03	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1620	2.27	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1620	2.09	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1620	2.19	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1620	1.48	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1620	2.05	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1620	2.42	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1620	2.26	ND	ug/Kg	U
67-66-3	Chloroform	E148-1620	2.28	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1620	1.68	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1620	1.34	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1620	1.81	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1620	1.18	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1620	2.00	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1620	2.03	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1620	2.40	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1620	4.72	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1620	1.94	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1620	2.12	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1620	2.43	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1620	2.20	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1620	1.57	ND	ug/Kg	U
95-47-6	o-xylene	E148-1620	2.47	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1620	2.24	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1620	2.42	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1620	2.46	ND	ug/Kg	U
100-42-5	Styrene	E148-1620	2.05	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1620	2.06	ND	ug/Kg	U

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 10:00
% Solid: 88.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1620	1.64	ND	ug/Kg	U
994-05-8	TAME	E148-1620	1.99	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1620	2.35	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1620	17.1	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1620	2.42	ND	ug/Kg	U
108-88-3	Toluene	E148-1620	2.15	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1620	1.97	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1620	2.16	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1620	2.49	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1620	110.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1620	98.5 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1620	112.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1620	101.0 %	(87 - 109)	

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 10:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1621	4.28	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1621	4.19	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1621	4.58	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1621	4.39	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1621	3.96	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1621	3.68	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1621	4.35	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1621	4.03	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1621	4.05	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1621	4.14	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1621	3.63	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1621	4.28	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1621	5.01	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1621	2.32	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1621	4.30	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1621	4.78	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1621	4.62	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1621	4.65	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1621	4.97	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1621	4.67	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1621	5.04	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1621	4.88	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1621	3.98	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1621	8.35	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1621	6.62	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1621	5.31	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1621	7.38	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1621	4.76	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1621	4.95	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1621	11.2	ND	ug/Kg	U
67-64-1	Acetone	E148-1621	15.5	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1621	8.95	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 10:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1621	4.30	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1621	4.99	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1621	4.55	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1621	2.85	ND	ug/Kg	U
75-25-2	Bromoform	E148-1621	2.09	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1621	4.62	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1621	4.26	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1621	4.46	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1621	3.01	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1621	4.16	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1621	4.92	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1621	4.60	ND	ug/Kg	U
67-66-3	Chloroform	E148-1621	4.65	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1621	3.43	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1621	2.74	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1621	3.68	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1621	2.39	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1621	4.07	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1621	4.14	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1621	4.88	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1621	9.61	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1621	3.96	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1621	4.32	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1621	4.95	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1621	4.49	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1621	3.20	ND	ug/Kg	U
95-47-6	o-xylene	E148-1621	5.04	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1621	4.55	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1621	4.92	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1621	5.01	ND	ug/Kg	U
100-42-5	Styrene	E148-1621	4.16	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1621	4.19	ND	ug/Kg	U

Environmental Quality Services, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 10:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1621	3.34	ND	ug/Kg	U
994-05-8	TAME	E148-1621	4.05	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1621	4.78	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1621	34.7	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1621	4.92	ND	ug/Kg	U
108-88-3	Toluene	E148-1621	4.37	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1621	4.00	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1621	4.39	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1621	5.06	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1621	112.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1621	98.5 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1621	113.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1621	99.3 %	(87 - 109)	

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1622	2.34	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1622	2.29	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1622	2.51	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1622	2.41	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1622	2.17	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1622	2.02	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1622	2.38	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1622	2.20	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1622	2.22	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1622	2.27	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1622	1.99	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1622	2.34	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1622	2.75	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1622	1.27	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1622	2.36	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1622	2.62	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1622	2.53	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1622	2.55	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1622	2.72	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1622	2.56	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1622	2.76	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1622	2.67	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1622	2.18	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1622	4.57	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1622	3.63	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1622	2.91	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1622	4.04	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1622	2.61	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1622	2.71	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1622	6.12	ND	ug/Kg	U
67-64-1	Acetone	E148-1622	8.51	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1622	4.90	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1622	2.36	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1622	2.73	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1622	2.49	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1622	1.56	ND	ug/Kg	U
75-25-2	Bromoform	E148-1622	1.15	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1622	2.53	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1622	2.33	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1622	2.44	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1622	1.65	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1622	2.28	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1622	2.70	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1622	2.52	ND	ug/Kg	U
67-66-3	Chloroform	E148-1622	2.55	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1622	1.88	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1622	1.50	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1622	2.02	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1622	1.31	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1622	2.23	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1622	2.27	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1622	2.67	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1622	5.27	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1622	2.17	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1622	2.37	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1622	2.71	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1622	2.46	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1622	1.75	ND	ug/Kg	U
95-47-6	o-xylene	E148-1622	2.76	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1622	2.49	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1622	2.70	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1622	2.75	ND	ug/Kg	U
100-42-5	Styrene	E148-1622	2.28	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1622	2.29	ND	ug/Kg	U

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1622	1.83	ND	ug/Kg	U
994-05-8	TAME	E148-1622	2.22	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1622	2.62	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1622	19.0	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1622	2.70	ND	ug/Kg	U
108-88-3	Toluene	E148-1622	2.39	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1622	2.19	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1622	2.41	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1622	2.77	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1622	111.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1622	94.8 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1622	113.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1622	98.8 %	(87 - 109)	

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-4
Client Sample ID: Trip blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	C4072-311	0.42	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4072-311	0.52	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4072-311	0.46	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4072-311	0.51	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4072-311	0.47	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4072-311	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4072-311	0.37	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C4072-311	0.36	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4072-311	0.36	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4072-311	0.54	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4072-311	0.35	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4072-311	0.45	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C4072-311	0.44	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4072-311	0.28	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4072-311	0.47	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4072-311	0.49	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4072-311	0.50	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4072-311	0.52	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4072-311	0.43	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4072-311	0.38	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4072-311	0.46	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4072-311	0.40	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4072-311	0.59	ND	ug/L	U
78-93-3	2-Butanone	C4072-311	1.92	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4072-311	0.50	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4072-311	0.36	ND	ug/L	U
591-78-6	2-Hexanone	C4072-311	2.23	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4072-311	0.52	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4072-311	0.34	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4072-311	1.82	ND	ug/L	U
67-64-1	Acetone	C4072-311	2.92	ND	ug/L	U
107-13-1	Acrylonitrile	C4072-311	7.65	ND	ug/L	U

Environmental Quality Services, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-4
Client Sample ID: Trip blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
71-43-2	Benzene	C4072-311	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4072-311	0.37	ND	ug/L	U
74-97-5	Bromochloromethane	C4072-311	0.53	ND	ug/L	U
75-27-4	Bromodichloromethane	C4072-311	0.50	ND	ug/L	U
75-25-2	Bromoform	C4072-311	0.37	ND	ug/L	U
74-83-9	Bromomethane	C4072-311	0.59	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4072-311	0.42	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4072-311	0.52	ND	ug/L	U
75-15-0	Carbon disulfide	C4072-311	0.40	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4072-311	0.44	ND	ug/L	U
108-90-7	Chlorobenzene	C4072-311	0.48	ND	ug/L	U
75-00-3	Chloroethane	C4072-311	0.94	ND	ug/L	U
67-66-3	Chloroform	C4072-311	0.46	ND	ug/L	U
74-87-3	Chloromethane	C4072-311	0.51	ND	ug/L	U
124-48-1	Dibromochloromethane	C4072-311	0.43	ND	ug/L	U
74-95-3	Dibromomethane	C4072-311	0.47	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4072-311	0.49	ND	ug/L	U
100-41-4	Ethylbenzene	C4072-311	0.41	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4072-311	0.54	ND	ug/L	U
98-82-8	Isopropylbenzene	C4072-311	0.44	ND	ug/L	U
108-38-3	m,p-xylene	C4072-311	0.86	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4072-311	0.50	ND	ug/L	U
75-09-2	Methylene Chloride	C4072-311	0.39	**4.66**	ug/L	J
104-51-8	n-Butylbenzene	C4072-311	0.43	ND	ug/L	U
103-65-1	n-Propylbenzene	C4072-311	0.41	ND	ug/L	U
91-20-3	Naphthalene	C4072-311	0.33	ND	ug/L	U
95-47-6	o-xylene	C4072-311	0.37	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4072-311	0.39	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4072-311	0.39	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4072-311	0.36	ND	ug/L	U
100-42-5	Styrene	C4072-311	0.39	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4072-311	0.27	ND	ug/L	U

Environmental Quality Services, Inc.
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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-4
Client Sample ID: Trip blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
10061-02-6	t-1,3-Dichloropropene	C4072-311	0.37	ND	ug/L	U
994-05-8	TAME	C4072-311	0.77	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4072-311	0.44	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4072-311	8.92	ND	ug/L	U
127-18-4	Tetrachloroethene	C4072-311	0.59	ND	ug/L	U
108-88-3	Toluene	C4072-311	0.45	ND	ug/L	U
79-01-6	Trichloroethene	C4072-311	0.46	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4072-311	0.52	ND	ug/L	U
75-01-4	Vinyl Chloride	C4072-311	0.43	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4072-311	100.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4072-311	94.2 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4072-311	102.0 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4072-311	95.8 %	(85 - 111)	

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	C4072-310	0.42	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4072-310	0.52	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4072-310	0.46	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4072-310	0.51	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4072-310	0.47	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4072-310	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4072-310	0.37	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C4072-310	0.36	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4072-310	0.36	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4072-310	0.54	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4072-310	0.35	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4072-310	0.45	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C4072-310	0.44	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4072-310	0.28	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4072-310	0.47	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4072-310	0.49	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4072-310	0.50	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4072-310	0.52	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4072-310	0.43	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4072-310	0.38	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4072-310	0.46	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4072-310	0.40	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4072-310	0.59	ND	ug/L	U
78-93-3	2-Butanone	C4072-310	1.92	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4072-310	0.50	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4072-310	0.36	ND	ug/L	U
591-78-6	2-Hexanone	C4072-310	2.23	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4072-310	0.52	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4072-310	0.34	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4072-310	1.82	ND	ug/L	U
67-64-1	Acetone	C4072-310	2.92	ND	ug/L	U
107-13-1	Acrylonitrile	C4072-310	7.65	ND	ug/L	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
71-43-2	Benzene	C4072-310	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4072-310	0.37	ND	ug/L	U
74-97-5	Bromochloromethane	C4072-310	0.53	ND	ug/L	U
75-27-4	Bromodichloromethane	C4072-310	0.50	ND	ug/L	U
75-25-2	Bromoform	C4072-310	0.37	ND	ug/L	U
74-83-9	Bromomethane	C4072-310	0.59	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4072-310	0.42	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4072-310	0.52	ND	ug/L	U
75-15-0	Carbon disulfide	C4072-310	0.40	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4072-310	0.44	ND	ug/L	U
108-90-7	Chlorobenzene	C4072-310	0.48	ND	ug/L	U
75-00-3	Chloroethane	C4072-310	0.94	ND	ug/L	U
67-66-3	Chloroform	C4072-310	0.46	ND	ug/L	U
74-87-3	Chloromethane	C4072-310	0.51	ND	ug/L	U
124-48-1	Dibromochloromethane	C4072-310	0.43	ND	ug/L	U
74-95-3	Dibromomethane	C4072-310	0.47	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4072-310	0.49	ND	ug/L	U
100-41-4	Ethylbenzene	C4072-310	0.41	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4072-310	0.54	ND	ug/L	U
98-82-8	Isopropylbenzene	C4072-310	0.44	ND	ug/L	U
108-38-3	m,p-xylene	C4072-310	0.86	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4072-310	0.50	ND	ug/L	U
75-09-2	Methylene Chloride	C4072-310	0.39	ND	ug/L	U
104-51-8	n-Butylbenzene	C4072-310	0.43	ND	ug/L	U
103-65-1	n-Propylbenzene	C4072-310	0.41	ND	ug/L	U
91-20-3	Naphthalene	C4072-310	0.33	ND	ug/L	U
95-47-6	o-xylene	C4072-310	0.37	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4072-310	0.39	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4072-310	0.39	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4072-310	0.36	ND	ug/L	U
100-42-5	Styrene	C4072-310	0.39	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4072-310	0.27	ND	ug/L	U

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
10061-02-6	t-1,3-Dichloropropene	C4072-310	0.37	ND	ug/L	U
994-05-8	TAME	C4072-310	0.77	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4072-310	0.44	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4072-310	8.92	ND	ug/L	U
127-18-4	Tetrachloroethene	C4072-310	0.59	ND	ug/L	U
108-88-3	Toluene	C4072-310	0.45	ND	ug/L	U
79-01-6	Trichloroethene	C4072-310	0.46	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4072-310	0.52	ND	ug/L	U
75-01-4	Vinyl Chloride	C4072-310	0.43	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4072-310	99.4 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4072-310	94.7 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4072-310	101.0 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4072-310	97.1 %	(85 - 111)	

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 11:00
% Solid: 87.3%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1623	2.14	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1623	2.09	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1623	2.29	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1623	2.20	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1623	1.98	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1623	1.84	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1623	2.17	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1623	2.01	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1623	2.02	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1623	2.07	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1623	1.82	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1623	2.14	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1623	2.51	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1623	1.16	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1623	2.15	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1623	2.39	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1623	2.31	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1623	2.32	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1623	2.48	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1623	2.33	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1623	2.52	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1623	2.44	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1623	1.99	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1623	4.17	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1623	3.31	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1623	2.66	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1623	3.69	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1623	2.38	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1623	2.47	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1623	5.59	ND	ug/Kg	U
67-64-1	Acetone	E148-1623	7.76	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1623	4.47	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 11:00
% Solid: 87.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1623	2.15	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1623	2.50	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1623	2.28	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1623	1.43	ND	ug/Kg	U
75-25-2	Bromoform	E148-1623	1.05	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1623	2.31	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1623	2.13	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1623	2.23	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1623	1.51	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1623	2.08	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1623	2.46	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1623	2.30	ND	ug/Kg	U
67-66-3	Chloroform	E148-1623	2.32	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1623	1.71	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1623	1.37	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1623	1.84	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1623	1.20	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1623	2.04	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1623	2.07	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1623	2.44	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1623	4.81	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1623	1.98	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1623	2.16	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1623	2.47	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1623	2.24	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1623	1.60	ND	ug/Kg	U
95-47-6	o-xylene	E148-1623	2.52	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1623	2.28	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1623	2.46	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1623	2.51	ND	ug/Kg	U
100-42-5	Styrene	E148-1623	2.08	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1623	2.09	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 11:00
% Solid: 87.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1623	1.67	ND	ug/Kg	U
994-05-8	TAME	E148-1623	2.02	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1623	2.39	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1623	17.4	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1623	2.46	ND	ug/Kg	U
108-88-3	Toluene	E148-1623	2.18	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1623	2.00	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1623	2.20	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1623	2.53	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1623	110.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1623	94.6 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1623	112.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1623	94.8 %	(87 - 109)	

Environmental Quality Services, Inc.
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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 11:15
% Solid: 87.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1624	2.14	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1624	2.09	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1624	2.29	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1624	2.20	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1624	1.98	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1624	1.84	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1624	2.17	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1624	2.01	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1624	2.02	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1624	2.07	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1624	1.82	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1624	2.14	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1624	2.51	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1624	1.16	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1624	2.15	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1624	2.39	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1624	2.31	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1624	2.32	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1624	2.48	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1624	2.33	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1624	2.52	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1624	2.44	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1624	1.99	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1624	4.17	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1624	3.31	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1624	2.66	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1624	3.69	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1624	2.38	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1624	2.47	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1624	5.59	ND	ug/Kg	U
67-64-1	Acetone	E148-1624	7.76	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1624	4.47	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1624	2.15	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1624	2.50	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1624	2.28	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1624	1.43	ND	ug/Kg	U
75-25-2	Bromoform	E148-1624	1.05	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1624	2.31	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1624	2.13	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1624	2.23	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1624	1.51	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1624	2.08	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1624	2.46	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1624	2.30	ND	ug/Kg	U
67-66-3	Chloroform	E148-1624	2.32	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1624	1.71	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1624	1.37	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1624	1.84	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1624	1.20	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1624	2.04	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1624	2.07	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1624	2.44	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1624	4.81	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1624	1.98	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1624	2.16	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1624	2.47	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1624	2.24	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1624	1.60	ND	ug/Kg	U
95-47-6	o-xylene	E148-1624	2.52	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1624	2.28	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1624	2.46	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1624	2.51	ND	ug/Kg	U
100-42-5	Styrene	E148-1624	2.08	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1624	2.09	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 11:15
% Solid: 87.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1624	1.67	ND	ug/Kg	U
994-05-8	TAME	E148-1624	2.02	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1624	2.39	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1624	17.4	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1624	2.46	ND	ug/Kg	U
108-88-3	Toluene	E148-1624	2.18	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1624	2.00	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1624	2.20	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1624	2.53	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1624	110.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1624	97.8 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1624	115.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1624	101.0 %	(87 - 109)	

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1625	2.29	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1625	2.24	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1625	2.45	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1625	2.35	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1625	2.12	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1625	1.97	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1625	2.32	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1625	2.15	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1625	2.16	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1625	2.21	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1625	1.94	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1625	2.29	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1625	2.68	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1625	1.24	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1625	2.30	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1625	2.56	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1625	2.47	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1625	2.48	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1625	2.66	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1625	2.50	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1625	2.69	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1625	2.61	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1625	2.13	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1625	4.46	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1625	3.54	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1625	2.84	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1625	3.95	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1625	2.55	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1625	2.64	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1625	5.98	ND	ug/Kg	U
67-64-1	Acetone	E148-1625	8.30	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1625	4.78	ND	ug/Kg	U

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1625	2.30	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1625	2.67	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1625	2.44	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1625	1.53	ND	ug/Kg	U
75-25-2	Bromoform	E148-1625	1.12	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1625	2.47	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1625	2.28	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1625	2.39	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1625	1.61	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1625	2.23	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1625	2.63	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1625	2.46	ND	ug/Kg	U
67-66-3	Chloroform	E148-1625	2.48	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1625	1.83	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1625	1.46	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1625	1.97	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1625	1.28	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1625	2.18	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1625	2.21	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1625	2.61	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1625	5.14	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1625	2.12	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1625	2.31	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1625	2.64	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1625	2.40	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1625	1.71	ND	ug/Kg	U
95-47-6	o-xylene	E148-1625	2.69	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1625	2.44	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1625	2.63	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1625	2.68	ND	ug/Kg	U
100-42-5	Styrene	E148-1625	2.23	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1625	2.24	ND	ug/Kg	U

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1625	1.78	ND	ug/Kg	U
994-05-8	TAME	E148-1625	2.16	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1625	2.56	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1625	18.6	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1625	2.63	ND	ug/Kg	U
108-88-3	Toluene	E148-1625	2.34	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1625	2.14	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1625	2.35	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1625	2.71	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1625	111.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1625	97.0 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1625	113.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1625	94.9 %	(87 - 109)	

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 12:00
% Solid: 87.6%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1626	2.12	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1626	2.07	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1626	2.27	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1626	2.18	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1626	1.96	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1626	1.82	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1626	2.15	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1626	2.00	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1626	2.01	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1626	2.05	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1626	1.80	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1626	2.12	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1626	2.49	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1626	1.15	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1626	2.13	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1626	2.37	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1626	2.29	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1626	2.30	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1626	2.46	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1626	2.31	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1626	2.50	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1626	2.42	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1626	1.97	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1626	4.14	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1626	3.28	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1626	2.63	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1626	3.66	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1626	2.36	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1626	2.45	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1626	5.54	ND	ug/Kg	U
67-64-1	Acetone	E148-1626	7.70	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1626	4.43	ND	ug/Kg	U

Environmental Quality Services, Inc.
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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 12:00
% Solid: 87.6%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1626	2.13	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1626	2.47	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1626	2.26	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1626	1.41	ND	ug/Kg	U
75-25-2	Bromoform	E148-1626	1.04	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1626	2.29	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1626	2.11	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1626	2.21	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1626	1.49	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1626	2.06	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1626	2.44	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1626	2.28	ND	ug/Kg	U
67-66-3	Chloroform	E148-1626	2.30	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1626	1.70	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1626	1.36	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1626	1.82	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1626	1.19	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1626	2.02	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1626	2.05	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1626	2.42	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1626	4.77	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1626	1.96	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1626	2.14	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1626	2.45	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1626	2.22	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1626	1.58	ND	ug/Kg	U
95-47-6	o-xylene	E148-1626	2.50	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1626	2.26	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1626	2.44	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1626	2.49	ND	ug/Kg	U
100-42-5	Styrene	E148-1626	2.06	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1626	2.07	ND	ug/Kg	U

Environmental Quality Services, Inc.
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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 12:00
% Solid: 87.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1626	1.65	ND	ug/Kg	U
994-05-8	TAME	E148-1626	2.01	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1626	2.37	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1626	17.2	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1626	2.44	ND	ug/Kg	U
108-88-3	Toluene	E148-1626	2.17	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1626	1.98	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1626	2.18	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1626	2.51	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1626	113.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1626	97.4 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1626	115.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1626	95.1 %	(87 - 109)	

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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 12:15
% Solid: 91.6%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1627	4.05	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1627	3.97	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1627	4.34	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1627	4.16	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1627	3.75	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1627	3.49	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1627	4.12	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1627	3.82	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1627	3.84	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1627	3.92	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1627	3.44	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1627	4.05	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1627	4.75	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1627	2.20	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1627	4.08	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1627	4.53	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1627	4.38	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1627	4.40	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1627	4.71	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1627	4.43	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1627	4.77	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1627	4.62	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1627	3.77	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1627	7.91	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1627	6.28	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1627	5.04	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1627	7.00	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1627	4.51	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1627	4.69	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1627	10.6	ND	ug/Kg	U
67-64-1	Acetone	E148-1627	14.7	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1627	8.48	ND	ug/Kg	U

Environmental Quality Services, Inc.
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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Type: Grab

Collected: 4/24/2012 12:15
% Solid: 91.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1627	4.08	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1627	4.73	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1627	4.32	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1627	2.70	ND	ug/Kg	U
75-25-2	Bromoform	E148-1627	1.98	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1627	4.38	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1627	4.03	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1627	4.23	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1627	2.86	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1627	3.95	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1627	4.67	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1627	4.36	ND	ug/Kg	U
67-66-3	Chloroform	E148-1627	4.40	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1627	3.25	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1627	2.59	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1627	3.49	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1627	2.27	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1627	3.86	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1627	3.92	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1627	4.62	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1627	9.11	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1627	3.75	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1627	4.10	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1627	4.69	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1627	4.25	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1627	3.03	ND	ug/Kg	U
95-47-6	o-xylene	E148-1627	4.77	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1627	4.32	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1627	4.67	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1627	4.75	ND	ug/Kg	U
100-42-5	Styrene	E148-1627	3.95	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1627	3.97	ND	ug/Kg	U

Environmental Quality Services, Inc.
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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 4/26/2012
Collected: 4/24/2012 12:15
% Solid: 91.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1627	3.16	ND	ug/Kg	U
994-05-8	TAME	E148-1627	3.84	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1627	4.53	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1627	32.9	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1627	4.67	ND	ug/Kg	U
108-88-3	Toluene	E148-1627	4.14	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1627	3.79	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1627	4.16	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1627	4.80	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1627	109.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1627	97.5 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1627	113.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1627	101.0 %	(87 - 109)	

Environmental Quality Services, Inc.
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5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	E148-1628	2.12	ND	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	E148-1628	2.07	ND	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	E148-1628	2.27	ND	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	E148-1628	2.18	ND	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	E148-1628	1.96	ND	ug/Kg	U
75-34-3	1,1-Dichloroethane	E148-1628	1.82	ND	ug/Kg	U
75-35-4	1,1-Dichloroethene	E148-1628	2.15	ND	ug/Kg	U
563-58-6	1,1-Dichloropropene	E148-1628	2.00	ND	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	E148-1628	2.01	ND	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	E148-1628	2.05	ND	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	E148-1628	1.80	ND	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	E148-1628	2.12	ND	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	E148-1628	2.49	ND	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	E148-1628	1.15	ND	ug/Kg	U
106-93-4	1,2-Dibromoethane	E148-1628	2.13	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	E148-1628	2.37	ND	ug/Kg	U
107-06-2	1,2-Dichloroethane	E148-1628	2.29	ND	ug/Kg	U
78-87-5	1,2-Dichloropropane	E148-1628	2.30	ND	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	E148-1628	2.46	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	E148-1628	2.31	ND	ug/Kg	U
142-28-9	1,3-Dichloropropane	E148-1628	2.50	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	E148-1628	2.42	ND	ug/Kg	U
590-20-7	2,2-Dichloropropane	E148-1628	1.97	ND	ug/Kg	U
78-93-3	2-Butanone	E148-1628	4.14	ND	ug/Kg	U
110-75-8	2-Chloroethylvinylether	E148-1628	3.28	ND	ug/Kg	U
95-49-8	2-Chlorotoluene	E148-1628	2.63	ND	ug/Kg	U
591-78-6	2-Hexanone	E148-1628	3.66	ND	ug/Kg	U
106-43-4	4-Chlorotoluene	E148-1628	2.36	ND	ug/Kg	U
99-87-6	4-Isopropyltoluene	E148-1628	2.45	ND	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	E148-1628	5.54	ND	ug/Kg	U
67-64-1	Acetone	E148-1628	7.70	ND	ug/Kg	U
107-13-1	Acrylonitrile	E148-1628	4.43	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
71-43-2	Benzene	E148-1628	2.13	ND	ug/Kg	U
108-86-1	Bromobenzene	E148-1628	2.47	ND	ug/Kg	U
74-97-5	Bromochloromethane	E148-1628	2.26	ND	ug/Kg	U
75-27-4	Bromodichloromethane	E148-1628	1.41	ND	ug/Kg	U
75-25-2	Bromoform	E148-1628	1.04	ND	ug/Kg	U
74-83-9	Bromomethane	E148-1628	2.29	ND	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	E148-1628	2.11	ND	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	E148-1628	2.21	ND	ug/Kg	U
75-15-0	Carbon disulfide	E148-1628	1.49	ND	ug/Kg	U
56-23-5	Carbon Tetrachloride	E148-1628	2.06	ND	ug/Kg	U
108-90-7	Chlorobenzene	E148-1628	2.44	ND	ug/Kg	U
75-00-3	Chloroethane	E148-1628	2.28	ND	ug/Kg	U
67-66-3	Chloroform	E148-1628	2.30	ND	ug/Kg	U
74-87-3	Chloromethane	E148-1628	1.70	ND	ug/Kg	U
124-48-1	Dibromochloromethane	E148-1628	1.36	ND	ug/Kg	U
74-95-3	Dibromomethane	E148-1628	1.82	ND	ug/Kg	U
75-71-8	Dichlorodifluoromethane	E148-1628	1.19	ND	ug/Kg	U
100-41-4	Ethylbenzene	E148-1628	2.02	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	E148-1628	2.05	ND	ug/Kg	U
98-82-8	Isopropylbenzene	E148-1628	2.42	ND	ug/Kg	U
108-38-3	m,p-xylene	E148-1628	4.77	ND	ug/Kg	U
1634-04-4	Methyl t-butyl ether	E148-1628	1.96	ND	ug/Kg	U
75-09-2	Methylene Chloride	E148-1628	2.14	ND	ug/Kg	U
104-51-8	n-Butylbenzene	E148-1628	2.45	ND	ug/Kg	U
103-65-1	n-Propylbenzene	E148-1628	2.22	ND	ug/Kg	U
91-20-3	Naphthalene	E148-1628	1.58	ND	ug/Kg	U
95-47-6	o-xylene	E148-1628	2.50	ND	ug/Kg	U
105-05-5	p-Diethylbenzene	E148-1628	2.26	ND	ug/Kg	U
622-96-8	p-Ethyltoluene	E148-1628	2.44	ND	ug/Kg	U
135-98-8	sec-Butylbenzene	E148-1628	2.49	ND	ug/Kg	U
100-42-5	Styrene	E148-1628	2.06	ND	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	E148-1628	2.07	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Volatiles - EPA 8260B

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks: See Case Narrative
Analyzed Date: 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
10061-02-6	t-1,3-Dichloropropene	E148-1628	1.65	ND	ug/Kg	U
994-05-8	TAME	E148-1628	2.01	ND	ug/Kg	U
98-06-6	tert-Butylbenzene	E148-1628	2.37	ND	ug/Kg	U
75-65-0	Tertiary butyl alcohol	E148-1628	17.2	ND	ug/Kg	U
127-18-4	Tetrachloroethene	E148-1628	2.44	ND	ug/Kg	U
108-88-3	Toluene	E148-1628	2.17	ND	ug/Kg	U
79-01-6	Trichloroethene	E148-1628	1.98	ND	ug/Kg	U
75-69-4	Trichlorofluoromethane	E148-1628	2.18	ND	ug/Kg	U
75-01-4	Vinyl Chloride	E148-1628	2.51	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	E148-1628	114.0 %	(79 - 132)	
460-00-4	4-BROMOFLUOROBENZENE	E148-1628	93.3 %	(79 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	E148-1628	114.0 %	(77 - 127)	
2037-26-5	TOLUENE-D8	E148-1628	93.8 %	(87 - 109)	

Environmental Quality Services, Inc.
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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6491	47.0	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6491	34.9	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6491	34.1	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6491	38.0	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6491	36.8	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6491	44.7	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6491	24.5	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6491	42.5	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6491	37.1	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6491	47.2	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6491	398	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6491	67.8	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6491	46.6	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6491	54.5	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6491	54.5	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6491	44.9	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6491	40.5	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6491	58.9	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6491	34.4	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6491	34.9	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6491	54.5	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6491	19.4	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6491	494	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6491	51.3	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6491	42.1	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6491	43.1	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6491	44.0	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6491	111	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6491	754	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6491	47.6	**59.9**	ug/Kg	J
208-96-8	Acenaphthylene	C2856-6491	38.9	**98.3**	ug/Kg	J
62-53-3	Aniline	C2856-6491	35.1	ND	ug/Kg	U

Environmental Quality Services, Inc.
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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6491	50.3	**211**	ug/Kg	J
92-87-5	Benzidine	C2856-6491	992	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6491	47.8	**1020**	ug/Kg	
50-32-8	Benzo(a)pyrene	C2856-6491	58.9	**1080**	ug/Kg	
205-99-2	Benzo(b)fluoranthene	C2856-6491	46.9	**946**	ug/Kg	
191-24-2	Benzo(g,h,i)perylene	C2856-6491	86.3	**925**	ug/Kg	
207-08-9	Benzo(k)fluoranthene	C2856-6491	86.0	**947**	ug/Kg	
65-85-0	Benzoic acid	C2856-6491	6620	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6491	66.7	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6491	46.8	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6491	53.4	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6491	41.5	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6491	74.0	**89.3**	ug/Kg	J
85-68-7	Butyl benzyl phthalate	C2856-6491	59.7	**107**	ug/Kg	J
86-74-8	Carbazole	C2856-6491	65.1	**148**	ug/Kg	J
218-01-9	Chrysene	C2856-6491	59.8	**1070**	ug/Kg	
	Cresols	C2856-6491	75.4	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6491	63.6	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2856-6491	55.6	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6491	63.1	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2856-6491	37.7	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2856-6491	73.9	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6491	54.6	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6491	62.3	**2140**	ug/Kg	
86-73-7	Fluorene	C2856-6491	45.4	**53.1**	ug/Kg	J
118-74-1	Hexachlorobenzene	C2856-6491	48.4	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6491	45.2	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6491	349	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6491	50.3	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6491	52.2	**797**	ug/Kg	
78-59-1	Isophorone	C2856-6491	51.6	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6491	34.1	ND	ug/Kg	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 10:00
% Solid: 88.5%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6491	71.8	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6491	61.6	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6491	45.4	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2856-6491	43.7	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6491	428	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6491	51.4	**1190**	ug/Kg	
108-95-2	Phenol	C2856-6491	29.5	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6491	41.8	**1910**	ug/Kg	
110-86-1	Pyridine	C2856-6491	64.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6491	46.3 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6491	44.8 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6491	45.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6491	46.3 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6491	45.9 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6491	48.3 %	(18 - 137)	

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6492	47.8	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6492	35.5	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6492	34.7	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6492	38.6	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6492	37.5	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6492	45.5	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6492	24.9	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6492	43.2	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6492	37.7	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6492	48.0	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6492	405	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6492	69.0	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6492	47.4	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6492	55.4	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6492	55.4	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6492	45.6	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6492	41.1	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6492	59.9	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6492	34.9	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6492	35.5	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6492	55.4	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6492	19.8	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6492	502	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6492	52.2	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6492	42.9	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6492	43.8	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6492	44.7	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6492	112	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6492	767	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6492	48.4	**59.8**	ug/Kg	J
208-96-8	Acenaphthylene	C2856-6492	39.5	**111**	ug/Kg	J
62-53-3	Aniline	C2856-6492	35.7	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6492	51.1	**213**	ug/Kg	J
92-87-5	Benzidine	C2856-6492	1010	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6492	48.6	**951**	ug/Kg	
50-32-8	Benzo(a)pyrene	C2856-6492	59.9	**1280**	ug/Kg	
205-99-2	Benzo(b)fluoranthene	C2856-6492	47.7	**1170**	ug/Kg	
191-24-2	Benzo(g,h,i)perylene	C2856-6492	87.8	**1370**	ug/Kg	
207-08-9	Benzo(k)fluoranthene	C2856-6492	87.5	**1140**	ug/Kg	
65-85-0	Benzoic acid	C2856-6492	6740	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6492	67.8	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6492	47.6	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6492	54.4	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6492	42.2	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6492	75.3	ND	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2856-6492	60.7	ND	ug/Kg	U
86-74-8	Carbazole	C2856-6492	66.2	**213**	ug/Kg	J
218-01-9	Chrysene	C2856-6492	60.8	**1140**	ug/Kg	
	Cresols	C2856-6492	76.6	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6492	64.7	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2856-6492	56.6	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6492	64.1	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2856-6492	38.4	**56.3**	ug/Kg	J
84-66-2	Diethyl phthalate	C2856-6492	75.2	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6492	55.5	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6492	63.3	**2220**	ug/Kg	
86-73-7	Fluorene	C2856-6492	46.2	**63.2**	ug/Kg	J
118-74-1	Hexachlorobenzene	C2856-6492	49.2	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6492	46.0	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6492	355	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6492	51.1	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6492	53.1	**1130**	ug/Kg	
78-59-1	Isophorone	C2856-6492	52.5	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6492	34.7	ND	ug/Kg	U

Environmental Quality Services, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Collected: 4/24/2012 10:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6492	73.0	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6492	62.6	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6492	46.2	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2856-6492	44.5	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6492	436	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6492	52.3	**1440**	ug/Kg	
108-95-2	Phenol	C2856-6492	30.0	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6492	42.5	**1790**	ug/Kg	
110-86-1	Pyridine	C2856-6492	65.9	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6492	80.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6492	55.9 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6492	52.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6492	52.2 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6492	56.9 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6492	86.0 %	(18 - 137)	

Environmental Quality Services, Inc.
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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6493	52.6	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6493	39.1	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6493	38.2	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6493	42.5	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6493	41.2	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6493	50.1	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6493	27.4	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6493	47.5	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6493	41.5	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6493	52.8	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6493	445	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6493	75.9	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6493	52.1	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6493	60.9	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6493	60.9	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6493	50.2	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6493	45.3	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6493	65.9	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6493	38.4	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6493	39.1	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6493	60.9	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6493	21.7	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6493	552	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6493	57.4	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6493	47.2	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6493	48.2	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6493	49.2	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6493	124	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6493	843	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6493	53.2	ND	ug/Kg	U
208-96-8	Acenaphthylene	C2856-6493	43.5	ND	ug/Kg	U
62-53-3	Aniline	C2856-6493	39.3	ND	ug/Kg	U

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Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6493	56.3	ND	ug/Kg	U
92-87-5	Benzidine	C2856-6493	1110	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6493	53.5	ND	ug/Kg	U
50-32-8	Benzo(a)pyrene	C2856-6493	65.9	ND	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	C2856-6493	52.5	ND	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	C2856-6493	96.6	ND	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	C2856-6493	96.2	ND	ug/Kg	U
65-85-0	Benzoic acid	C2856-6493	7410	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6493	74.6	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6493	52.3	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6493	59.8	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6493	46.4	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6493	82.8	ND	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2856-6493	66.8	ND	ug/Kg	U
86-74-8	Carbazole	C2856-6493	72.8	ND	ug/Kg	U
218-01-9	Chrysene	C2856-6493	66.9	ND	ug/Kg	U
	Cresols	C2856-6493	84.4	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6493	71.2	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2856-6493	62.2	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6493	70.5	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2856-6493	42.2	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2856-6493	82.7	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6493	61.1	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6493	69.7	ND	ug/Kg	U
86-73-7	Fluorene	C2856-6493	50.8	ND	ug/Kg	U
118-74-1	Hexachlorobenzene	C2856-6493	54.1	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6493	50.6	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6493	391	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6493	56.3	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6493	58.4	ND	ug/Kg	U
78-59-1	Isophorone	C2856-6493	57.8	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6493	38.2	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6493	80.3	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6493	68.9	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6493	50.8	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2856-6493	48.9	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6493	479	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6493	57.5	ND	ug/Kg	U
108-95-2	Phenol	C2856-6493	33.0	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6493	46.8	ND	ug/Kg	U
110-86-1	Pyridine	C2856-6493	72.4	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6493	72.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6493	53.4 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6493	54.1 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6493	54.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6493	53.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6493	105.0 %	(18 - 137)	

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2855-6478	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2855-6478	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2855-6478	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2855-6478	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2855-6478	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2855-6478	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2855-6478	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2855-6478	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2855-6478	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2855-6478	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2855-6478	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2855-6478	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2855-6478	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2855-6478	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2855-6478	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2855-6478	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2855-6478	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2855-6478	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2855-6478	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2855-6478	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2855-6478	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2855-6478	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2855-6478	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2855-6478	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2855-6478	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2855-6478	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2855-6478	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2855-6478	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2855-6478	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2855-6478	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2855-6478	0.93	ND	ug/L	U
62-53-3	Aniline	C2855-6478	0.23	ND	ug/L	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2855-6478	0.84	ND	ug/L	U
92-87-5	Benzidine	C2855-6478	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2855-6478	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2855-6478	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2855-6478	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2855-6478	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2855-6478	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2855-6478	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2855-6478	0.48	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2855-6478	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2855-6478	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2855-6478	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2855-6478	1.44	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2855-6478	1.33	ND	ug/L	U
86-74-8	Carbazole	C2855-6478	1.08	ND	ug/L	U
218-01-9	Chrysene	C2855-6478	0.95	ND	ug/L	U
	Cresols	C2855-6478	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2855-6478	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2855-6478	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2855-6478	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2855-6478	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2855-6478	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2855-6478	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2855-6478	0.86	ND	ug/L	U
86-73-7	Fluorene	C2855-6478	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2855-6478	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2855-6478	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2855-6478	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2855-6478	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2855-6478	0.95	ND	ug/L	U
78-59-1	Isophorone	C2855-6478	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2855-6478	0.74	ND	ug/L	U

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Semivolatile Compounds - EPA 8270C

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
62-75-9	N-Nitrosodimethylamine	C2855-6478	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2855-6478	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2855-6478	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2855-6478	0.91	ND	ug/L	U
87-86-5	Pentachlorophenol	C2855-6478	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2855-6478	0.90	ND	ug/L	U
108-95-2	Phenol	C2855-6478	0.25	ND	ug/L	U
129-00-0	Pyrene	C2855-6478	1.01	ND	ug/L	U
110-86-1	Pyridine	C2855-6478	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2855-6478	66.4 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2855-6478	51.2 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	C2855-6478	27.7 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	C2855-6478	51.5 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2855-6478	15.9 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2855-6478	102.0 %	(33 - 141)	

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6507	47.7	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6507	35.4	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6507	34.6	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6507	38.5	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6507	37.3	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6507	45.4	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6507	24.9	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6507	43.1	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6507	37.6	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6507	47.9	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6507	403	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6507	68.7	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6507	47.2	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6507	55.2	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6507	55.2	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6507	45.5	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6507	41.0	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6507	59.7	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6507	34.8	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6507	35.4	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6507	55.2	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6507	19.7	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6507	501	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6507	52.0	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6507	42.7	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6507	43.6	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6507	44.6	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6507	112	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6507	764	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6507	48.2	ND	ug/Kg	U
208-96-8	Acenaphthylene	C2856-6507	39.4	**52.7**	ug/Kg	J
62-53-3	Aniline	C2856-6507	35.6	ND	ug/Kg	U

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Semivolatile Compounds - EPA 8270C

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6507	51.0	**129**	ug/Kg	J
92-87-5	Benzidine	C2856-6507	1010	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6507	48.5	**380**	ug/Kg	J
50-32-8	Benzo(a)pyrene	C2856-6507	59.7	**384**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	C2856-6507	47.5	**331**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	C2856-6507	87.5	ND	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	C2856-6507	87.2	**328**	ug/Kg	J
65-85-0	Benzoic acid	C2856-6507	6710	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6507	67.6	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6507	47.4	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6507	54.2	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6507	42.0	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6507	75.0	**386**	ug/Kg	J
85-68-7	Butyl benzyl phthalate	C2856-6507	60.5	ND	ug/Kg	U
86-74-8	Carbazole	C2856-6507	66.0	**72.2**	ug/Kg	J
218-01-9	Chrysene	C2856-6507	60.6	**494**	ug/Kg	J
	Cresols	C2856-6507	76.4	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6507	64.5	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2856-6507	56.4	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6507	63.9	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2856-6507	38.3	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2856-6507	74.9	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6507	55.3	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6507	63.1	**871**	ug/Kg	
86-73-7	Fluorene	C2856-6507	46.0	**68.7**	ug/Kg	J
118-74-1	Hexachlorobenzene	C2856-6507	49.0	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6507	45.8	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6507	354	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6507	51.0	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6507	52.9	**216**	ug/Kg	J
78-59-1	Isophorone	C2856-6507	52.3	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6507	34.6	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 11:00
% Solid: 87.3%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6507	72.7	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6507	62.4	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6507	46.0	**50.4**	ug/Kg	J
98-95-3	Nitrobenzene	C2856-6507	44.3	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6507	434	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6507	52.1	**926**	ug/Kg	
108-95-2	Phenol	C2856-6507	29.9	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6507	42.4	**975**	ug/Kg	
110-86-1	Pyridine	C2856-6507	65.6	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6507	84.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6507	50.4 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6507	49.5 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6507	50.0 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6507	54.1 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6507	95.8 %	(18 - 137)	

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6494	47.7	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6494	35.4	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6494	34.6	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6494	38.5	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6494	37.4	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6494	45.4	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6494	24.9	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6494	43.1	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6494	37.6	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6494	47.9	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6494	404	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6494	68.8	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6494	47.2	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6494	55.3	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6494	55.3	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6494	45.5	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6494	41.1	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6494	59.7	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6494	34.9	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6494	35.4	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6494	55.3	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6494	19.7	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6494	501	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6494	52.1	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6494	42.8	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6494	43.7	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6494	44.6	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6494	112	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6494	765	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6494	48.3	ND	ug/Kg	U
208-96-8	Acenaphthylene	C2856-6494	39.4	ND	ug/Kg	U
62-53-3	Aniline	C2856-6494	35.7	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6494	51.0	ND	ug/Kg	U
92-87-5	Benzidine	C2856-6494	1010	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6494	48.5	ND	ug/Kg	U
50-32-8	Benzo(a)pyrene	C2856-6494	59.7	ND	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	C2856-6494	47.6	ND	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	C2856-6494	87.6	ND	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	C2856-6494	87.3	ND	ug/Kg	U
65-85-0	Benzoic acid	C2856-6494	6720	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6494	67.7	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6494	47.5	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6494	54.2	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6494	42.1	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6494	75.1	ND	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2856-6494	60.6	ND	ug/Kg	U
86-74-8	Carbazole	C2856-6494	66.1	ND	ug/Kg	U
218-01-9	Chrysene	C2856-6494	60.7	ND	ug/Kg	U
	Cresols	C2856-6494	76.5	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6494	64.6	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2856-6494	56.4	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6494	64.0	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2856-6494	38.3	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2856-6494	75.0	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6494	55.4	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6494	63.2	ND	ug/Kg	U
86-73-7	Fluorene	C2856-6494	46.1	ND	ug/Kg	U
118-74-1	Hexachlorobenzene	C2856-6494	49.1	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6494	45.9	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6494	354	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6494	51.0	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6494	53.0	ND	ug/Kg	U
78-59-1	Isophorone	C2856-6494	52.4	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6494	34.6	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6494	72.8	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6494	62.5	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6494	46.1	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2856-6494	44.4	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6494	435	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6494	52.2	ND	ug/Kg	U
108-95-2	Phenol	C2856-6494	29.9	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6494	42.4	ND	ug/Kg	U
110-86-1	Pyridine	C2856-6494	65.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6494	75.1 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6494	64.0 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6494	65.8 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6494	68.3 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6494	66.0 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6494	102.0 %	(18 - 137)	

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6495	51.3	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6495	38.1	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6495	37.2	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6495	41.4	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6495	40.2	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6495	48.8	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6495	26.8	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6495	46.4	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6495	40.4	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6495	51.5	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6495	434	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6495	74.0	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6495	50.8	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6495	59.4	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6495	59.4	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6495	49.0	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6495	44.1	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6495	64.2	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6495	37.5	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6495	38.1	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6495	59.4	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6495	21.2	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6495	539	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6495	56.0	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6495	46.0	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6495	47.0	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6495	48.0	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6495	121	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6495	822	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6495	51.9	ND	ug/Kg	U
208-96-8	Acenaphthylene	C2856-6495	42.4	ND	ug/Kg	U
62-53-3	Aniline	C2856-6495	38.3	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6495	54.9	ND	ug/Kg	U
92-87-5	Benzidine	C2856-6495	1080	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6495	52.2	ND	ug/Kg	U
50-32-8	Benzo(a)pyrene	C2856-6495	64.2	ND	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	C2856-6495	51.2	ND	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	C2856-6495	94.2	ND	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	C2856-6495	93.8	ND	ug/Kg	U
65-85-0	Benzoic acid	C2856-6495	7230	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6495	72.7	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6495	51.0	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6495	58.3	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6495	45.3	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6495	80.8	**93.7**	ug/Kg	J
85-68-7	Butyl benzyl phthalate	C2856-6495	65.1	ND	ug/Kg	U
86-74-8	Carbazole	C2856-6495	71.0	ND	ug/Kg	U
218-01-9	Chrysene	C2856-6495	65.2	ND	ug/Kg	U
	Cresols	C2856-6495	82.2	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6495	69.4	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2856-6495	60.7	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6495	68.8	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2856-6495	41.2	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2856-6495	80.6	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6495	59.6	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6495	67.9	ND	ug/Kg	U
86-73-7	Fluorene	C2856-6495	49.6	ND	ug/Kg	U
118-74-1	Hexachlorobenzene	C2856-6495	52.8	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6495	49.3	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6495	381	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6495	54.9	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6495	57.0	ND	ug/Kg	U
78-59-1	Isophorone	C2856-6495	56.4	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6495	37.2	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/27/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6495	78.3	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6495	67.2	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6495	49.6	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2856-6495	47.7	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6495	467	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6495	56.1	ND	ug/Kg	U
108-95-2	Phenol	C2856-6495	32.2	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6495	45.6	ND	ug/Kg	U
110-86-1	Pyridine	C2856-6495	70.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6495	85.7 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6495	70.6 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6495	71.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6495	71.3 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6495	71.2 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6495	108.0 %	(18 - 137)	

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 12:00
% Solid: 87.6%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6496	47.5	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6496	35.3	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6496	34.5	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6496	38.4	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6496	37.2	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6496	45.2	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6496	24.8	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6496	42.9	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6496	37.4	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6496	47.7	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6496	402	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6496	68.5	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6496	47.0	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6496	55.0	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6496	55.0	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6496	45.3	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6496	40.9	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6496	59.5	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6496	34.7	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6496	35.3	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6496	55.0	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6496	19.6	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6496	499	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6496	51.8	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6496	42.6	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6496	43.5	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6496	44.4	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6496	112	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6496	761	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6496	48.1	**106**	ug/Kg	J
208-96-8	Acenaphthylene	C2856-6496	39.3	**284**	ug/Kg	J
62-53-3	Aniline	C2856-6496	35.5	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6496	50.8	**613**	ug/Kg	
92-87-5	Benzidine	C2856-6496	1000	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6496	48.3	**2750**	ug/Kg	
50-32-8	Benzo(a)pyrene	C2856-6496	59.5	**2640**	ug/Kg	
205-99-2	Benzo(b)fluoranthene	C2856-6496	47.4	**2110**	ug/Kg	
191-24-2	Benzo(g,h,i)perylene	C2856-6496	87.2	**1750**	ug/Kg	
207-08-9	Benzo(k)fluoranthene	C2856-6496	86.9	**2190**	ug/Kg	
65-85-0	Benzoic acid	C2856-6496	6690	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6496	67.4	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6496	47.3	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6496	54.0	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6496	41.9	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6496	74.8	**3840**	ug/Kg	
85-68-7	Butyl benzyl phthalate	C2856-6496	60.3	ND	ug/Kg	U
86-74-8	Carbazole	C2856-6496	65.8	**105**	ug/Kg	J
218-01-9	Chrysene	C2856-6496	60.4	**2700**	ug/Kg	
	Cresols	C2856-6496	76.2	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6496	64.3	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2856-6496	56.2	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6496	63.7	**619**	ug/Kg	
132-64-9	Dibenzofuran	C2856-6496	38.1	**60.5**	ug/Kg	J
84-66-2	Diethyl phthalate	C2856-6496	74.7	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6496	55.1	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6496	62.9	**5910**	ug/Kg	
86-73-7	Fluorene	C2856-6496	45.9	**176**	ug/Kg	J
118-74-1	Hexachlorobenzene	C2856-6496	48.9	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6496	45.7	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6496	353	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6496	50.8	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6496	52.7	ND	ug/Kg	U
78-59-1	Isophorone	C2856-6496	52.2	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6496	34.5	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6496	72.5	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6496	62.2	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6496	45.9	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2856-6496	44.2	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6496	433	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6496	51.9	**3170**	ug/Kg	
108-95-2	Phenol	C2856-6496	29.8	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6496	42.2	**5330**	ug/Kg	
110-86-1	Pyridine	C2856-6496	65.4	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6496	68.0 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6496	57.5 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6496	55.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6496	56.9 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6496	57.3 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6496	67.3 %	(18 - 137)	

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6497	45.4	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6497	33.7	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6497	33.0	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6497	36.7	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6497	35.6	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6497	43.2	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6497	23.7	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6497	41.0	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6497	35.8	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6497	45.6	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6497	384	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6497	65.5	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6497	45.0	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6497	52.6	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6497	52.6	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6497	43.3	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6497	39.1	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6497	56.9	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6497	33.2	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6497	33.7	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6497	52.6	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6497	18.8	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6497	477	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6497	49.6	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6497	40.7	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6497	41.6	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6497	42.5	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6497	107	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6497	728	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6497	46.0	ND	ug/Kg	U
208-96-8	Acenaphthylene	C2856-6497	37.6	ND	ug/Kg	U
62-53-3	Aniline	C2856-6497	34.0	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6497	48.6	ND	ug/Kg	U
92-87-5	Benzidine	C2856-6497	959	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6497	46.2	ND	ug/Kg	U
50-32-8	Benzo(a)pyrene	C2856-6497	56.9	ND	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	C2856-6497	45.3	ND	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	C2856-6497	83.4	ND	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	C2856-6497	83.1	ND	ug/Kg	U
65-85-0	Benzoic acid	C2856-6497	6400	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6497	64.4	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6497	45.2	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6497	51.6	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6497	40.1	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6497	71.5	**124**	ug/Kg	J
85-68-7	Butyl benzyl phthalate	C2856-6497	57.6	ND	ug/Kg	U
86-74-8	Carbazole	C2856-6497	62.9	ND	ug/Kg	U
218-01-9	Chrysene	C2856-6497	57.8	ND	ug/Kg	U
	Cresols	C2856-6497	72.8	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6497	61.5	ND	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2856-6497	53.7	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6497	60.9	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2856-6497	36.5	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2856-6497	71.4	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6497	52.7	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6497	60.2	ND	ug/Kg	U
86-73-7	Fluorene	C2856-6497	43.9	ND	ug/Kg	U
118-74-1	Hexachlorobenzene	C2856-6497	46.7	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6497	43.7	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6497	337	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6497	48.6	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6497	50.4	ND	ug/Kg	U
78-59-1	Isophorone	C2856-6497	49.9	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6497	33.0	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6497	69.3	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6497	59.5	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6497	43.9	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2856-6497	42.2	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6497	414	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6497	49.7	ND	ug/Kg	U
108-95-2	Phenol	C2856-6497	28.5	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6497	40.4	ND	ug/Kg	U
110-86-1	Pyridine	C2856-6497	62.6	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6497	74.2 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6497	54.2 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6497	53.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6497	55.0 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6497	53.3 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6497	96.7 %	(18 - 137)	

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2856-6498	47.3	ND	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2856-6498	35.1	ND	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2856-6498	34.3	ND	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2856-6498	38.2	ND	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2856-6498	37.0	ND	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2856-6498	45.0	ND	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2856-6498	24.7	ND	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2856-6498	42.7	ND	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2856-6498	37.3	ND	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2856-6498	47.5	ND	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2856-6498	400	ND	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2856-6498	68.2	ND	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2856-6498	46.8	ND	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2856-6498	54.8	ND	ug/Kg	U
95-57-8	2-Chlorophenol	C2856-6498	54.8	ND	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2856-6498	45.1	ND	ug/Kg	U
95-48-7	2-Methylphenol	C2856-6498	40.7	ND	ug/Kg	U
88-74-4	2-Nitroaniline	C2856-6498	59.2	ND	ug/Kg	U
88-75-5	2-Nitrophenol	C2856-6498	34.5	ND	ug/Kg	U
106-44-5	3+4-Methylphenol	C2856-6498	35.1	ND	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2856-6498	54.8	ND	ug/Kg	U
99-09-2	3-Nitroaniline	C2856-6498	19.5	ND	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	C2856-6498	497	ND	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	C2856-6498	51.6	ND	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2856-6498	42.4	ND	ug/Kg	U
106-47-8	4-Chloroaniline	C2856-6498	43.3	ND	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	C2856-6498	44.2	ND	ug/Kg	U
100-01-6	4-Nitroaniline	C2856-6498	111	ND	ug/Kg	U
100-02-7	4-Nitrophenol	C2856-6498	758	ND	ug/Kg	U
83-32-9	Acenaphthene	C2856-6498	47.8	**70.5**	ug/Kg	J
208-96-8	Acenaphthylene	C2856-6498	39.1	**67.0**	ug/Kg	J
62-53-3	Aniline	C2856-6498	35.3	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
120-12-7	Anthracene	C2856-6498	50.6	**236**	ug/Kg	J
92-87-5	Benzidine	C2856-6498	998	ND	ug/Kg	U
56-55-3	Benzo(a)anthracene	C2856-6498	48.1	**813**	ug/Kg	
50-32-8	Benzo(a)pyrene	C2856-6498	59.2	**803**	ug/Kg	
205-99-2	Benzo(b)fluoranthene	C2856-6498	47.2	**674**	ug/Kg	
191-24-2	Benzo(g,h,i)perylene	C2856-6498	86.8	**573**	ug/Kg	
207-08-9	Benzo(k)fluoranthene	C2856-6498	86.5	**699**	ug/Kg	
65-85-0	Benzoic acid	C2856-6498	6660	ND	ug/Kg	U
100-51-6	Benzyl alcohol	C2856-6498	67.0	ND	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	C2856-6498	47.0	ND	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	C2856-6498	53.8	ND	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	C2856-6498	41.7	ND	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2856-6498	74.4	**21500**	ug/Kg	E
85-68-7	Butyl benzyl phthalate	C2856-6498	60.0	ND	ug/Kg	U
86-74-8	Carbazole	C2856-6498	65.5	**97.7**	ug/Kg	J
218-01-9	Chrysene	C2856-6498	60.1	**886**	ug/Kg	
	Cresols	C2856-6498	75.8	ND	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2856-6498	64.0	**255**	ug/Kg	J
117-84-0	Di-n-octyl phthalate	C2856-6498	55.9	ND	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	C2856-6498	63.4	ND	ug/Kg	U
132-64-9	Dibenzofuran	C2856-6498	38.0	ND	ug/Kg	U
84-66-2	Diethyl phthalate	C2856-6498	74.3	ND	ug/Kg	U
131-11-3	Dimethyl phthalate	C2856-6498	54.9	ND	ug/Kg	U
206-44-0	Fluoranthene	C2856-6498	62.6	**1650**	ug/Kg	
86-73-7	Fluorene	C2856-6498	45.7	**75.0**	ug/Kg	J
118-74-1	Hexachlorobenzene	C2856-6498	48.6	ND	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2856-6498	45.5	ND	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2856-6498	351	ND	ug/Kg	U
67-72-1	Hexachloroethane	C2856-6498	50.6	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2856-6498	52.5	**506**	ug/Kg	J
78-59-1	Isophorone	C2856-6498	51.9	ND	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	C2856-6498	34.3	ND	ug/Kg	U

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5/1/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/28/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
62-75-9	N-Nitrosodimethylamine	C2856-6498	72.2	ND	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	C2856-6498	61.9	ND	ug/Kg	U
91-20-3	Naphthalene	C2856-6498	45.7	ND	ug/Kg	U
98-95-3	Nitrobenzene	C2856-6498	44.0	ND	ug/Kg	U
87-86-5	Pentachlorophenol	C2856-6498	431	ND	ug/Kg	U
85-01-8	Phenanthrene	C2856-6498	51.7	**1190**	ug/Kg	
108-95-2	Phenol	C2856-6498	29.7	ND	ug/Kg	U
129-00-0	Pyrene	C2856-6498	42.0	**1780**	ug/Kg	
110-86-1	Pyridine	C2856-6498	65.1	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2856-6498	75.9 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2856-6498	63.6 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2856-6498	64.9 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2856-6498	63.7 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2856-6498	66.5 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2856-6498	82.9 %	(18 - 137)	

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5/1/2012

TAGM Herbicides by SW 846 8321A

Sample: 1204349-1

Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-7	418	ND	ug/Kg	U
94-75-7	2,4-D	N498-7	294	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-7	418	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-7	37.7 %	(04 - 100)	

Sample: 1204349-2

Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-8	425	ND	ug/Kg	U
94-75-7	2,4-D	N498-8	299	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-8	425	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-8	80.5 %	(04 - 100)	

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5/1/2012

TAGM Herbicides by SW 846 8321A

Sample: 1204349-3

Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-9	468	ND	ug/Kg	U
94-75-7	2,4-D	N498-9	329	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-9	468	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-9	60.1 %	(04 - 100)	

Sample: 1204349-5

Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
93-76-5	2,4,5-T	N498-6	4.10	ND	ug/L	U
94-75-7	2,4-D	N498-6	2.70	ND	ug/L	U
93-72-1	Silvex(2,4,5-TP)	N498-6	4.10	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-6	97.7 %	(10 - 120)	

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5/1/2012

TAGM Herbicides by SW 846 8321A

Sample: 1204349-6

Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-10	424	ND	ug/Kg	U
94-75-7	2,4-D	N498-10	298	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-10	424	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-10	19.1 %	(04 - 100)	

Sample: 1204349-7

Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-11	424	ND	ug/Kg	U
94-75-7	2,4-D	N498-11	298	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-11	424	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-11	18.8 %	(04 - 100)	

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5/1/2012

TAGM Herbicides by SW 846 8321A

Sample: 1204349-8

Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-12	456	ND	ug/Kg	U
94-75-7	2,4-D	N498-12	321	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-12	456	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-12	34.4 %	(04 - 100)	

Sample: 1204349-9

Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-15	422	ND	ug/Kg	U
94-75-7	2,4-D	N498-15	297	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-15	422	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-15	9.7 %	(04 - 100)	

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5/1/2012

TAGM Herbicides by SW 846 8321A

Sample: 1204349-10

Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-13	404	ND	ug/Kg	U
94-75-7	2,4-D	N498-13	284	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-13	404	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-13	62.6 %	(04 - 100)	

Sample: 1204349-11

Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
93-76-5	2,4,5-T	N498-14	420	ND	ug/Kg	U
94-75-7	2,4-D	N498-14	295	ND	ug/Kg	U
93-72-1	Silvex(2,4,5-TP)	N498-14	420	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
106-46-7	1,4-DICHLOROBENZENE	N498-14	43.8 %	(04 - 100)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-1

Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-19	18.0	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-19	18.0	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-19	18.0	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-19	18.0	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-19	18.0	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-19	18.0	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-19	12.5	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-19	34.6 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-19	54.7 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-20	18.3	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-20	18.3	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-20	18.3	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-20	18.3	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-20	18.3	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-20	18.3	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-20	12.8	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-20	36.2 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-20	56.6 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-3

Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-21	20.1	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-21	20.1	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-21	20.1	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-21	20.1	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-21	20.1	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-21	20.1	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-21	14.0	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-21	47.2 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-21	63.6 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
12674-11-2	PCB 1016	K1368-16	0.074	ND	ug/L	U
11104-28-2	PCB 1221	K1368-16	0.090	ND	ug/L	U
11141-16-5	PCB 1232	K1368-16	0.090	ND	ug/L	U
53469-21-9	PCB 1242	K1368-16	0.090	ND	ug/L	U
12672-29-6	PCB 1248	K1368-16	0.090	ND	ug/L	U
11097-69-1	PCB 1254	K1368-16	0.090	ND	ug/L	U
11096-82-5	PCB 1260	K1368-16	0.10	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-16	32.2 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-16	51.0 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-22	18.2	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-22	18.2	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-22	18.2	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-22	18.2	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-22	18.2	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-22	18.2	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-22	12.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-22	45.1 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-22	68.5 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-23	18.2	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-23	18.2	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-23	18.2	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-23	18.2	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-23	18.2	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-23	18.2	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-23	12.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-23	50.5 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-23	75.0 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-35	19.6	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-35	19.6	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-35	19.6	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-35	19.6	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-35	19.6	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-35	19.6	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-35	13.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-35	50.8 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-35	53.9 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-9

Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-24	18.2	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-24	18.2	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-24	18.2	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-24	18.2	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-24	18.2	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-24	18.2	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-24	12.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-24	48.9 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-24	64.7 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-10

Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-25	17.4	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-25	17.4	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-25	17.4	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-25	17.4	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-25	17.4	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-25	17.4	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-25	12.1	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-25	64.8 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-25	65.6 %	(30 - 150)	

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5/1/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204349-11

Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
12674-11-2	PCB 1016	K1368-26	18.1	ND	ug/Kg	U
11104-28-2	PCB 1221	K1368-26	18.1	ND	ug/Kg	U
11141-16-5	PCB 1232	K1368-26	18.1	ND	ug/Kg	U
53469-21-9	PCB 1242	K1368-26	18.1	ND	ug/Kg	U
12672-29-6	PCB 1248	K1368-26	18.1	ND	ug/Kg	U
11097-69-1	PCB 1254	K1368-26	18.1	ND	ug/Kg	U
11096-82-5	PCB 1260	K1368-26	12.6	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1368-26	40.4 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1368-26	60.6 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-11	0.51	ND	ug/Kg	U
72-55-9	4,4'-DDE	L1356-11	1.21	ND	ug/Kg	U
50-29-3	4,4'-DDT	L1356-11	0.61	**29.9**	ug/Kg	
309-00-2	Aldrin	L1356-11	1.19	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-11	0.75	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-11	1.01	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-11	0.61	ND	ug/Kg	U
57-74-9	Chlordane	L1356-11	7.86	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-11	1.28	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-11	1.29	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-11	1.15	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-11	0.92	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-11	0.81	ND	ug/Kg	U
72-20-8	Endrin	L1356-11	1.16	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-11	0.85	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-11	1.07	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-11	0.94	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-11	1.20	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-11	1.05	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-11	1.12	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-11	0.99	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-11	41.2	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-11	38.2 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-11	36.8 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Collected: 4/24/2012 10:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-12	0.52	ND	ug/Kg	U
72-55-9	4,4'-DDE	L1356-12	1.23	ND	ug/Kg	U
50-29-3	4,4'-DDT	L1356-12	0.62	**52.9**	ug/Kg	
309-00-2	Aldrin	L1356-12	1.21	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-12	0.76	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-12	1.02	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-12	0.62	ND	ug/Kg	U
57-74-9	Chlordane	L1356-12	8.00	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-12	1.30	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-12	1.31	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-12	1.17	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-12	0.93	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-12	0.83	ND	ug/Kg	U
72-20-8	Endrin	L1356-12	1.18	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-12	0.86	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-12	1.09	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-12	0.95	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-12	1.22	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-12	1.07	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-12	1.14	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-12	1.01	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-12	42.0	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-12	49.5 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-12	31.7 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-13	0.57	ND	ug/Kg	U
72-55-9	4,4'-DDE	L1356-13	1.35	ND	ug/Kg	U
50-29-3	4,4'-DDT	L1356-13	0.68	ND	ug/Kg	U
309-00-2	Aldrin	L1356-13	1.33	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-13	0.83	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-13	1.13	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-13	0.68	ND	ug/Kg	U
57-74-9	Chlordane	L1356-13	8.80	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-13	1.43	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-13	1.44	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-13	1.29	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-13	1.02	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-13	0.91	ND	ug/Kg	U
72-20-8	Endrin	L1356-13	1.30	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-13	0.95	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-13	1.20	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-13	1.05	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-13	1.34	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-13	1.18	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-13	1.25	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-13	1.11	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-13	46.1	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-13	49.4 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-13	44.1 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/26/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
72-54-8	4,4'-DDD	L1356-8	0.0013	ND	ug/L	U
72-55-9	4,4'-DDE	L1356-8	0.0015	ND	ug/L	U
50-29-3	4,4'-DDT	L1356-8	0.0014	ND	ug/L	U
309-00-2	Aldrin	L1356-8	0.0011	ND	ug/L	U
319-84-6	alpha-BHC	L1356-8	0.00092	ND	ug/L	U
5103-71-9	alpha-Chlordane	L1356-8	0.0012	ND	ug/L	U
319-85-7	beta-BHC	L1356-8	0.0015	ND	ug/L	U
57-74-9	Chlordane	L1356-8	0.12	ND	ug/L	U
319-86-8	delta-BHC	L1356-8	0.0013	ND	ug/L	U
60-57-1	Dieldrin	L1356-8	0.0011	ND	ug/L	U
959-98-8	Endosulfan I	L1356-8	0.0013	ND	ug/L	U
33213-65-9	Endosulfan II	L1356-8	0.0015	ND	ug/L	U
1031-07-8	Endosulfan sulfate	L1356-8	0.0014	ND	ug/L	U
72-20-8	Endrin	L1356-8	0.0014	ND	ug/L	U
7421-36-3	Endrin Aldehyde	L1356-8	0.0010	ND	ug/L	U
53494-70-5	Endrin ketone	L1356-8	0.0014	ND	ug/L	U
58-89-9	gamma-BHC (Lindane)	L1356-8	0.00089	ND	ug/L	U
5103-74-2	gamma-Chlordane	L1356-8	0.0013	ND	ug/L	U
76-44-8	Heptachlor	L1356-8	0.0012	ND	ug/L	U
1024-57-3	Heptachlor epoxide	L1356-8	0.0013	ND	ug/L	U
72-43-5	Methoxychlor	L1356-8	0.0014	ND	ug/L	U
8001-35-2	Toxaphene	L1356-8	0.39	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-8	30.8 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-8	35.6 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-14	0.52	ND	ug/Kg	U
72-55-9	4,4'-DDE	L1356-14	1.23	ND	ug/Kg	U
50-29-3	4,4'-DDT	L1356-14	0.62	**58.2**	ug/Kg	
309-00-2	Aldrin	L1356-14	1.20	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-14	0.76	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-14	1.02	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-14	0.62	ND	ug/Kg	U
57-74-9	Chlordane	L1356-14	7.97	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-14	1.29	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-14	1.31	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-14	1.17	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-14	0.93	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-14	0.82	ND	ug/Kg	U
72-20-8	Endrin	L1356-14	1.18	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-14	0.86	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-14	1.09	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-14	0.95	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-14	1.21	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-14	1.07	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-14	1.13	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-14	1.01	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-14	41.8	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-14	42.1 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-14	28.0 %	(30 - 150)	*

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-15	0.52	ND	ug/Kg	U
72-55-9	4,4'-DDE	L1356-15	1.23	ND	ug/Kg	U
50-29-3	4,4'-DDT	L1356-15	0.62	ND	ug/Kg	U
309-00-2	Aldrin	L1356-15	1.20	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-15	0.76	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-15	1.02	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-15	0.62	ND	ug/Kg	U
57-74-9	Chlordane	L1356-15	7.98	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-15	1.30	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-15	1.31	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-15	1.17	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-15	0.93	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-15	0.83	ND	ug/Kg	U
72-20-8	Endrin	L1356-15	1.18	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-15	0.86	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-15	1.09	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-15	0.95	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-15	1.22	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-15	1.07	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-15	1.14	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-15	1.01	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-15	41.9	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-15	43.1 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-15	46.6 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-8

Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-21	0.55	ND	ug/Kg	U
72-55-9	4,4'-DDE	L1356-21	1.32	ND	ug/Kg	U
50-29-3	4,4'-DDT	L1356-21	0.67	ND	ug/Kg	U
309-00-2	Aldrin	L1356-21	1.29	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-21	0.81	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-21	1.10	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-21	0.67	ND	ug/Kg	U
57-74-9	Chlordane	L1356-21	8.58	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-21	1.39	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-21	1.41	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-21	1.26	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-21	1.00	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-21	0.89	ND	ug/Kg	U
72-20-8	Endrin	L1356-21	1.27	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-21	0.92	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-21	1.17	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-21	1.02	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-21	1.31	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-21	1.15	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-21	1.22	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-21	1.09	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-21	45.0	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-21	39.7 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-21	35.8 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Matrix: Soil
Type: Grab
Collected: 4/24/2012 12:00
% Solid: 87.6%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-16	0.51	ND	ug/Kg	U
72-55-9	4,4'-DDE	L1356-16	1.22	**1.87**	ug/Kg	J
50-29-3	4,4'-DDT	L1356-16	0.62	**51.0**	ug/Kg	
309-00-2	Aldrin	L1356-16	1.20	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-16	0.75	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-16	1.02	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-16	0.62	ND	ug/Kg	U
57-74-9	Chlordane	L1356-16	7.95	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-16	1.29	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-16	1.30	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-16	1.16	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-16	0.92	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-16	0.82	ND	ug/Kg	U
72-20-8	Endrin	L1356-16	1.18	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-16	0.86	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-16	1.08	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-16	0.95	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-16	1.21	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-16	1.06	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-16	1.13	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-16	1.00	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-16	41.7	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-16	40.7 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-16	35.9 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Matrix: Soil
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Type: Grab

Collected: 4/24/2012 12:15
% Solid: 91.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-17	0.49	ND	ug/Kg	U
72-55-9	4,4'-DDE	L1356-17	1.17	ND	ug/Kg	U
50-29-3	4,4'-DDT	L1356-17	0.59	**11.7**	ug/Kg	
309-00-2	Aldrin	L1356-17	1.15	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-17	0.72	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-17	0.97	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-17	0.59	ND	ug/Kg	U
57-74-9	Chlordane	L1356-17	7.60	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-17	1.23	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-17	1.24	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-17	1.11	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-17	0.88	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-17	0.79	ND	ug/Kg	U
72-20-8	Endrin	L1356-17	1.12	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-17	0.82	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-17	1.04	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-17	0.91	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-17	1.16	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-17	1.02	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-17	1.08	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-17	0.96	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-17	39.8	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-17	47.5 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-17	45.4 %	(30 - 150)	

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5/1/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result*	Units	Q
72-54-8	4,4'-DDD	L1356-18	0.51	**10.2**	ug/Kg	
72-55-9	4,4'-DDE	L1356-18	1.22	**28.3**	ug/Kg	
50-29-3	4,4'-DDT	L1356-18	0.61	**296**	ug/Kg	
309-00-2	Aldrin	L1356-18	1.19	ND	ug/Kg	U
319-84-6	alpha-BHC	L1356-18	0.75	ND	ug/Kg	U
5103-71-9	alpha-Chlordane	L1356-18	1.01	ND	ug/Kg	U
319-85-7	beta-BHC	L1356-18	0.61	ND	ug/Kg	U
57-74-9	Chlordane	L1356-18	7.91	ND	ug/Kg	U
319-86-8	delta-BHC	L1356-18	1.28	ND	ug/Kg	U
60-57-1	Dieldrin	L1356-18	1.30	ND	ug/Kg	U
959-98-8	Endosulfan I	L1356-18	1.16	ND	ug/Kg	U
33213-65-9	Endosulfan II	L1356-18	0.92	ND	ug/Kg	U
1031-07-8	Endosulfan sulfate	L1356-18	0.82	ND	ug/Kg	U
72-20-8	Endrin	L1356-18	1.17	ND	ug/Kg	U
7421-36-3	Endrin Aldehyde	L1356-18	0.85	ND	ug/Kg	U
53494-70-5	Endrin ketone	L1356-18	1.08	ND	ug/Kg	U
58-89-9	gamma-BHC (Lindane)	L1356-18	0.94	ND	ug/Kg	U
5103-74-2	gamma-Chlordane	L1356-18	1.20	ND	ug/Kg	U
76-44-8	Heptachlor	L1356-18	1.06	ND	ug/Kg	U
1024-57-3	Heptachlor epoxide	L1356-18	1.13	ND	ug/Kg	U
72-43-5	Methoxychlor	L1356-18	1.00	ND	ug/Kg	U
8001-35-2	Toxaphene	L1356-18	41.5	ND	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1356-18	30.3 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1356-18	23.2 %	(30 - 150)	*

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5/1/2012

Mercury by SW846 7470/7471/EPA 245.1

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.0061	**0.43**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.063	**2.00**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.0069	**0.022**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

Mercury by SW846 7470/7471/EPA 245.1

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000020	ND	mg/L	U

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.031	**0.47**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.0063	**0.20**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

Mercury by SW846 7470/7471/EPA 245.1

Sample: 1204349-8

Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.0066	**0.010**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-9

Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.0060	**0.35**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-10

Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.0055	**0.087**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

Mercury by SW846 7470/7471/EPA 245.1

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.031	**0.42**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.43	**3900**	mg/Kg	
7440-36-0	Antimony	0.51	ND	mg/Kg	U
7440-38-2	Arsenic	0.22	**6.17**	mg/Kg	
7440-39-3	Barium	0.057	**129**	mg/Kg	
7440-41-7	Beryllium	0.057	ND	mg/Kg	U
7440-43-9	Cadmium	0.023	**0.37**	mg/Kg	
7440-70-2	Calcium	0.79	**22700**	mg/Kg	
7440-47-3	Chromium	0.067	**10.2**	mg/Kg	
7440-48-4	Cobalt	0.042	**4.27**	mg/Kg	
7440-50-8	Copper	0.19	**21.0**	mg/Kg	
7439-89-6	Iron	1.65	**11300**	mg/Kg	
7439-92-1	Lead	0.13	**163**	mg/Kg	
7439-95-4	Magnesium	2.91	**2630**	mg/Kg	
7439-96-5	Manganese	0.066	**206**	mg/Kg	
7440-02-0	Nickel	0.080	**10.3**	mg/Kg	
7440-09-7	Potassium	3.66	**1700**	mg/Kg	
7782-49-2	Selenium	0.36	ND	mg/Kg	U
7440-22-4	Silver	0.037	**0.53**	mg/Kg	
7440-23-5	Sodium	1.79	**303**	mg/Kg	
7440-28-0	Thallium	0.28	ND	mg/Kg	U
7440-62-2	Vanadium	0.038	**20.2**	mg/Kg	
7440-66-6	Zinc	0.35	**117**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.45	**4110**	mg/Kg	
7440-36-0	Antimony	0.51	ND	mg/Kg	U
7440-38-2	Arsenic	0.22	**14.3**	mg/Kg	
7440-39-3	Barium	0.057	**81.7**	mg/Kg	
7440-41-7	Beryllium	0.057	ND	mg/Kg	U
7440-43-9	Cadmium	0.023	**0.19**	mg/Kg	
7440-70-2	Calcium	0.80	**21700**	mg/Kg	
7440-47-3	Chromium	0.068	**37.7**	mg/Kg	
7440-48-4	Cobalt	0.042	**4.90**	mg/Kg	
7440-50-8	Copper	0.19	**43.6**	mg/Kg	
7439-89-6	Iron	1.67	**23600**	mg/Kg	
7439-92-1	Lead	0.13	**97.6**	mg/Kg	
7439-95-4	Magnesium	2.94	**2960**	mg/Kg	
7439-96-5	Manganese	0.067	**365**	mg/Kg	
7440-02-0	Nickel	0.081	**12.3**	mg/Kg	
7440-09-7	Potassium	3.69	**1340**	mg/Kg	
7782-49-2	Selenium	0.37	ND	mg/Kg	U
7440-22-4	Silver	0.038	ND	mg/Kg	U
7440-23-5	Sodium	1.81	**184**	mg/Kg	
7440-28-0	Thallium	0.29	ND	mg/Kg	U
7440-62-2	Vanadium	0.038	**20.2**	mg/Kg	
7440-66-6	Zinc	0.36	**88.3**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.65	**4830**	mg/Kg	
7440-36-0	Antimony	0.58	ND	mg/Kg	U
7440-38-2	Arsenic	0.25	**2.54**	mg/Kg	
7440-39-3	Barium	0.065	**44.9**	mg/Kg	
7440-41-7	Beryllium	0.065	ND	mg/Kg	U
7440-43-9	Cadmium	0.026	ND	mg/Kg	U
7440-70-2	Calcium	0.91	**1660**	mg/Kg	
7440-47-3	Chromium	0.077	**13.1**	mg/Kg	
7440-48-4	Cobalt	0.048	**6.19**	mg/Kg	
7440-50-8	Copper	0.22	**13.6**	mg/Kg	
7439-89-6	Iron	1.90	**14600**	mg/Kg	
7439-92-1	Lead	0.15	**4.78**	mg/Kg	
7439-95-4	Magnesium	3.34	**2120**	mg/Kg	
7439-96-5	Manganese	0.076	**257**	mg/Kg	
7440-02-0	Nickel	0.092	**15.5**	mg/Kg	
7440-09-7	Potassium	4.20	**2270**	mg/Kg	
7782-49-2	Selenium	0.42	ND	mg/Kg	U
7440-22-4	Silver	0.043	ND	mg/Kg	U
7440-23-5	Sodium	2.06	**628**	mg/Kg	
7440-28-0	Thallium	0.33	ND	mg/Kg	U
7440-62-2	Vanadium	0.044	**20.7**	mg/Kg	
7440-66-6	Zinc	0.41	**20.6**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.063	**0.067**	mg/L	
7440-36-0	Antimony	0.022	ND	mg/L	U
7440-38-2	Arsenic	0.0095	ND	mg/L	U
7440-39-3	Barium	0.0025	ND	mg/L	U
7440-41-7	Beryllium	0.0025	ND	mg/L	U
7440-43-9	Cadmium	0.0010	ND	mg/L	U
7440-70-2	Calcium	0.035	**0.29**	mg/L	
7440-47-3	Chromium	0.0030	**0.0083**	mg/L	
7440-48-4	Cobalt	0.0019	ND	mg/L	U
7440-50-8	Copper	0.0084	ND	mg/L	U
7439-89-6	Iron	0.073	**0.14**	mg/L	
7439-92-1	Lead	0.0057	**0.0057**	mg/L	
7439-95-4	Magnesium	0.13	ND	mg/L	U
7439-96-5	Manganese	0.0029	**0.015**	mg/L	
7440-02-0	Nickel	0.0036	**0.0053**	mg/L	
7440-09-7	Potassium	0.16	**3.02**	mg/L	
7782-49-2	Selenium	0.016	ND	mg/L	U
7440-22-4	Silver	0.0016	ND	mg/L	U
7440-23-5	Sodium	0.079	**0.48**	mg/L	
7440-28-0	Thallium	0.013	ND	mg/L	U
7440-62-2	Vanadium	0.0017	ND	mg/L	U
7440-66-6	Zinc	0.016	**0.070**	mg/L	

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5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.51	**3280**	mg/Kg	
7440-36-0	Antimony	0.53	ND	mg/Kg	U
7440-38-2	Arsenic	0.23	**7.01**	mg/Kg	
7440-39-3	Barium	0.060	**46.6**	mg/Kg	
7440-41-7	Beryllium	0.060	ND	mg/Kg	U
7440-43-9	Cadmium	0.024	**0.70**	mg/Kg	
7440-70-2	Calcium	0.83	**18300**	mg/Kg	
7440-47-3	Chromium	0.071	**9.65**	mg/Kg	
7440-48-4	Cobalt	0.044	**3.46**	mg/Kg	
7440-50-8	Copper	0.20	**43.1**	mg/Kg	
7439-89-6	Iron	1.74	**10600**	mg/Kg	
7439-92-1	Lead	0.14	**67.6**	mg/Kg	
7439-95-4	Magnesium	3.07	**2450**	mg/Kg	
7439-96-5	Manganese	0.070	**147**	mg/Kg	
7440-02-0	Nickel	0.085	**9.71**	mg/Kg	
7440-09-7	Potassium	3.85	**864**	mg/Kg	
7782-49-2	Selenium	0.38	ND	mg/Kg	U
7440-22-4	Silver	0.039	**0.75**	mg/Kg	
7440-23-5	Sodium	1.89	**192**	mg/Kg	
7440-28-0	Thallium	0.30	ND	mg/Kg	U
7440-62-2	Vanadium	0.040	**14.1**	mg/Kg	
7440-66-6	Zinc	0.37	**87.6**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.42	**3430**	mg/Kg	
7440-36-0	Antimony	0.50	ND	mg/Kg	U
7440-38-2	Arsenic	0.21	**3.92**	mg/Kg	
7440-39-3	Barium	0.056	**24.2**	mg/Kg	
7440-41-7	Beryllium	0.056	ND	mg/Kg	U
7440-43-9	Cadmium	0.022	**0.19**	mg/Kg	
7440-70-2	Calcium	0.78	**4030**	mg/Kg	
7440-47-3	Chromium	0.067	**8.94**	mg/Kg	
7440-48-4	Cobalt	0.042	**4.49**	mg/Kg	
7440-50-8	Copper	0.19	**18.9**	mg/Kg	
7439-89-6	Iron	1.64	**13800**	mg/Kg	
7439-92-1	Lead	0.13	**9.49**	mg/Kg	
7439-95-4	Magnesium	2.89	**2780**	mg/Kg	
7439-96-5	Manganese	0.066	**446**	mg/Kg	
7440-02-0	Nickel	0.080	**11.9**	mg/Kg	
7440-09-7	Potassium	3.63	**1090**	mg/Kg	
7782-49-2	Selenium	0.36	ND	mg/Kg	U
7440-22-4	Silver	0.037	ND	mg/Kg	U
7440-23-5	Sodium	1.78	**77.8**	mg/Kg	
7440-28-0	Thallium	0.28	ND	mg/Kg	U
7440-62-2	Vanadium	0.038	**14.7**	mg/Kg	
7440-66-6	Zinc	0.35	**60.8**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.54	**4010**	mg/Kg	
7440-36-0	Antimony	0.54	ND	mg/Kg	U
7440-38-2	Arsenic	0.23	**1.71**	mg/Kg	
7440-39-3	Barium	0.061	**31.4**	mg/Kg	
7440-41-7	Beryllium	0.061	ND	mg/Kg	U
7440-43-9	Cadmium	0.024	ND	mg/Kg	U
7440-70-2	Calcium	0.85	**1350**	mg/Kg	
7440-47-3	Chromium	0.072	**11.2**	mg/Kg	
7440-48-4	Cobalt	0.045	**4.46**	mg/Kg	
7440-50-8	Copper	0.20	**9.54**	mg/Kg	
7439-89-6	Iron	1.77	**10700**	mg/Kg	
7439-92-1	Lead	0.14	**4.01**	mg/Kg	
7439-95-4	Magnesium	3.12	**1830**	mg/Kg	
7439-96-5	Manganese	0.071	**219**	mg/Kg	
7440-02-0	Nickel	0.086	**13.0**	mg/Kg	
7440-09-7	Potassium	3.92	**1430**	mg/Kg	
7782-49-2	Selenium	0.39	ND	mg/Kg	U
7440-22-4	Silver	0.040	**0.49**	mg/Kg	
7440-23-5	Sodium	1.92	**242**	mg/Kg	
7440-28-0	Thallium	0.30	ND	mg/Kg	U
7440-62-2	Vanadium	0.041	**14.8**	mg/Kg	
7440-66-6	Zinc	0.38	**15.0**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.51	**3400**	mg/Kg	
7440-36-0	Antimony	0.53	ND	mg/Kg	U
7440-38-2	Arsenic	0.23	**3.40**	mg/Kg	
7440-39-3	Barium	0.060	**44.6**	mg/Kg	
7440-41-7	Beryllium	0.060	ND	mg/Kg	U
7440-43-9	Cadmium	0.024	ND	mg/Kg	U
7440-70-2	Calcium	0.83	**2110**	mg/Kg	
7440-47-3	Chromium	0.071	**10.9**	mg/Kg	
7440-48-4	Cobalt	0.044	**4.82**	mg/Kg	
7440-50-8	Copper	0.20	**17.1**	mg/Kg	
7439-89-6	Iron	1.74	**20600**	mg/Kg	
7439-92-1	Lead	0.14	**67.4**	mg/Kg	
7439-95-4	Magnesium	3.06	**1500**	mg/Kg	
7439-96-5	Manganese	0.070	**279**	mg/Kg	
7440-02-0	Nickel	0.085	**8.68**	mg/Kg	
7440-09-7	Potassium	3.85	**1700**	mg/Kg	
7782-49-2	Selenium	0.38	ND	mg/Kg	U
7440-22-4	Silver	0.039	**0.42**	mg/Kg	
7440-23-5	Sodium	1.89	**93.7**	mg/Kg	
7440-28-0	Thallium	0.30	ND	mg/Kg	U
7440-62-2	Vanadium	0.040	**20.4**	mg/Kg	
7440-66-6	Zinc	0.37	**45.5**	mg/Kg	

* Results are reported on a dry weight basis

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208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.47	**3380**	mg/Kg	
7440-36-0	Antimony	0.52	ND	mg/Kg	U
7440-38-2	Arsenic	0.22	**2.88**	mg/Kg	
7440-39-3	Barium	0.058	**30.2**	mg/Kg	
7440-41-7	Beryllium	0.058	ND	mg/Kg	U
7440-43-9	Cadmium	0.023	**0.13**	mg/Kg	
7440-70-2	Calcium	0.81	**1070**	mg/Kg	
7440-47-3	Chromium	0.069	**10.5**	mg/Kg	
7440-48-4	Cobalt	0.043	**4.86**	mg/Kg	
7440-50-8	Copper	0.19	**17.4**	mg/Kg	
7439-89-6	Iron	1.69	**17500**	mg/Kg	
7439-92-1	Lead	0.13	**42.1**	mg/Kg	
7439-95-4	Magnesium	2.98	**1160**	mg/Kg	
7439-96-5	Manganese	0.068	**286**	mg/Kg	
7440-02-0	Nickel	0.082	**8.25**	mg/Kg	
7440-09-7	Potassium	3.75	**1220**	mg/Kg	
7782-49-2	Selenium	0.37	ND	mg/Kg	U
7440-22-4	Silver	0.038	ND	mg/Kg	U
7440-23-5	Sodium	1.84	**63.5**	mg/Kg	
7440-28-0	Thallium	0.29	ND	mg/Kg	U
7440-62-2	Vanadium	0.039	**20.2**	mg/Kg	
7440-66-6	Zinc	0.36	**54.1**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

TAL Metals by SW846 6010

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/30/2012
Preparation Date(s) : 4/27/2012 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7429-90-5	Aluminum	1.46	**4540**	mg/Kg	
7440-36-0	Antimony	0.52	ND	mg/Kg	U
7440-38-2	Arsenic	0.22	**5.01**	mg/Kg	
7440-39-3	Barium	0.058	**201**	mg/Kg	
7440-41-7	Beryllium	0.058	ND	mg/Kg	U
7440-43-9	Cadmium	0.023	**3.36**	mg/Kg	
7440-70-2	Calcium	0.81	**10200**	mg/Kg	
7440-47-3	Chromium	0.069	**16.3**	mg/Kg	
7440-48-4	Cobalt	0.043	**5.47**	mg/Kg	
7440-50-8	Copper	0.19	**46.4**	mg/Kg	
7439-89-6	Iron	1.68	**18600**	mg/Kg	
7439-92-1	Lead	0.13	**226**	mg/Kg	
7439-95-4	Magnesium	2.97	**2840**	mg/Kg	
7439-96-5	Manganese	0.068	**288**	mg/Kg	
7440-02-0	Nickel	0.082	**13.6**	mg/Kg	
7440-09-7	Potassium	3.73	**1100**	mg/Kg	
7782-49-2	Selenium	0.37	ND	mg/Kg	U
7440-22-4	Silver	0.038	**0.058**	mg/Kg	
7440-23-5	Sodium	1.83	**107**	mg/Kg	
7440-28-0	Thallium	0.29	ND	mg/Kg	U
7440-62-2	Vanadium	0.039	**30.3**	mg/Kg	
7440-66-6	Zinc	0.36	**164**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Hexavalent Chromium by SM 3500D

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	**2.40**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

Hexavalent Chromium by SM 3500D

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.0070	ND	mg/L	U

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	ND	mg/Kg	U

* Results are reported on a dry weight basis

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5/1/2012

Hexavalent Chromium by SM 3500D

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	**3.60**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	ND	mg/Kg	U

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Hexavalent Chromium by SM 3500D

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/30/2012 3:00:00 PM

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
18540-29-9	Chromium +6	0.023	ND	mg/Kg	U

* Results are reported on a dry weight basis

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5/1/2012

Trivalent Chromium

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**10.2**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**37.7**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**10.7**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

Trivalent Chromium

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Chromium +3	0	**0.0083**	mg/L	

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**9.65**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**8.94**	mg/Kg	

* Results are reported on a dry weight basis

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208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Trivalent Chromium

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**7.60**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**10.9**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**10.5**	mg/Kg	

* Results are reported on a dry weight basis

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5/1/2012

Trivalent Chromium

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Chromium +3	0	**16.3**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Total Cyanide by SM 4500-CN C

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.079	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.080	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.088	ND	mg/Kg	U

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Total Cyanide by SM 4500-CN C

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
57-12-5	Cyanide	0.0070	ND	mg/L	U

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.080	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.080	ND	mg/Kg	U

* Results are reported on a dry weight basis

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Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Total Cyanide by SM 4500-CN C

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.086	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.080	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.076	ND	mg/Kg	U

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Total Cyanide by SM 4500-CN C

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
57-12-5	Cyanide	0.080	ND	mg/Kg	U

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Flash Point (Ignitability) - SW 846 1010

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Flash Point (Ignitability) - SW 846 1010

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Flash Point	0	>100	°C	

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

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208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Flash Point (Ignitability) - SW 846 1010

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

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208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

Flash Point (Ignitability) - SW 846 1010

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

pH - Liquid @ 25 Degrees C SM 4500-H B

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks: pH analyzed out of hold
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**5.35**	pH Units	

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

pH - Soil @ 25 Degrees C - SW 846 9045C

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**9.35**	pH Units	

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**7.66**	pH Units	

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**8.28**	pH Units	

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

pH - Soil @ 25 Degrees C - SW 846 9045C

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**9.71**	pH Units	

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**9.58**	pH Units	

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**3.95**	pH Units	

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/1/2012

pH - Soil @ 25 Degrees C - SW 846 9045C

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**9.11**	pH Units	

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**8.08**	pH Units	

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Collected: 4/24/2012 12:30
Matrix: Soil
Type: Grab
% Solid: 88%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH	0	**9.21**	pH Units	

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5/1/2012

Reactivity -SW 846 9010

Sample: 1204349-1
Client Sample ID: A-1 -0-2' depth
Collected: 4/24/2012 10:00
Matrix: Soil
Type: Grab
% Solid: 88.5%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-2
Client Sample ID: A-1 - 10-12' depth
Collected: 4/24/2012 10:15
Matrix: Soil
Type: Grab
% Solid: 87%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-3
Client Sample ID: A-1 -2' above ground water
Collected: 4/24/2012 10:30
Matrix: Soil
Type: Grab
% Solid: 79.1%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

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5/1/2012

Reactivity -SW 846 9010

Sample: 1204349-5
Client Sample ID: Field blank
Collected: 4/24/2012
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Releasable Cyanide	0.10	ND	mg/L	U
	Releasable H2 Sulfide	0.010	ND	mg/L	U

Sample: 1204349-6
Client Sample ID: A-2 -0-2' depth
Collected: 4/24/2012 11:00
Matrix: Soil
Type: Grab
% Solid: 87.3%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-7
Client Sample ID: A-2 -10-12 depth
Collected: 4/24/2012 11:15
Matrix: Soil
Type: Grab
% Solid: 87.2%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

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5/1/2012

Reactivity -SW 846 9010

Sample: 1204349-8
Client Sample ID: A-2 - 2' above ground water
Collected: 4/24/2012 11:30
Matrix: Soil
Type: Grab
% Solid: 81.1%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-9
Client Sample ID: A-3 - 2ft depth
Collected: 4/24/2012 12:00
Matrix: Soil
Type: Grab
% Solid: 87.6%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

Sample: 1204349-10
Client Sample ID: A-3 - 7ft depth
Collected: 4/24/2012 12:15
Matrix: Soil
Type: Grab
% Solid: 91.6%
Remarks:
Analyzed Date: 4/27/2012

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

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5/1/2012

Reactivity -SW 846 9010

Sample: 1204349-11
Client Sample ID: A-3 -10-12 depth
Matrix: Soil
Type: Grab
Remarks:
Analyzed Date: 4/27/2012

Collected: 4/24/2012 12:30
% Solid: 88%

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	ND	mg/Kg	U
	Releasable H2 Sulfide	0.010	ND	mg/Kg	U

* Results are reported on a dry weight basis

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5/1/2012

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100,
150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and
300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Initial Calibration:
The following compounds exhibited a % RSD of >%15 and requiered linear regression quantitation.
Correlation coefficcients met method critiria of 0.995 or greater.

Chloroethane
Trichlorofluoromethane
Acetone
Bromoform

The following compounds exhibited a % RDS greater than 15% in the initial calibration:

Chloroethane (35.45)
Trichlorofluoromethane (26.00)
Acetone (38.80)
Bromoform (15.25)

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5/1/2012

Case Narrative

EPA 8270 Semi-Volatiles

Initial Calibration:
Average Response was used as the method of quantitation with the exception of the following compounds whose %RSD was >15%. For these compounds, linear regression was used:

benzoic acid(coeffcient 0.949)
Haxaclorocyclopentadiene (coefficient 0.949)
2,3,4,6-Tetrachlorophenol (coefficient 0.997)
4-Nitrophenol (coefficient 0.998)
2,4-Dinitrotoluene (coefficient 0.998)
2,3,4,6 Tetrachlorophenol (coefficient 0.997)
4,6dinitro-2-methylphenol(coefficient 0.972)
2,4,6-Tribromophenol (coefficient 0.984)
Pentachlorophenol (coefficient 0.941)

Sample # 1204349-5 was reported with surrogates analyzed outside of QC parameters due to matrix interference

Sample # 11 was reported with one compound analyzed at a concentration above the highest calibration standard. It has been given an "E" flag

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5/1/2012

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100,
150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and
300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Initial Calibration:
The following compounds exhibited a % RSD of >%15 and requiered linear regression quantitation.
Correlation coefficcients met method critiria of 0.995 or greater.

Chloroethane
Trichlorofluoromethane
Acetone
Bromoform

The following compounds exhibited a % RDS greater than 15% in the initial calibration:

Chloroethane (35.45)
Trichlorofluoromethane (26.00)
Acetone (38.80)
Bromoform (15.25)

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5/1/2012

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Appendix V

Groundwater Analytical Data

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/2/2012

Laboratory Identifier: 1204372

Received: 4/27/2012 14:30
Sampled by: Sharon Dyal

Client: Environmental Building Solutions, LLC

231 West 29TH Street, Suite 601
New York,
NY 10001

Project: Marion Smit

87 Grand Street
Brooklyn,
NY 11211

Manager: Michael Borello / John Leitner

Respectfully submitted,

Juan R.Cuba - Technical Director

NYS Lab ID # 10969
NJ Lab ID # PH0645
CT Lab ID # PH0645
PA Lab ID # 68-0053

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Environmental Quality Services, Inc.
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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	C4077-432	0.42	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4077-432	0.52	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4077-432	0.46	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4077-432	0.51	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4077-432	0.47	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4077-432	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4077-432	0.37	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C4077-432	0.36	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4077-432	0.36	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4077-432	0.54	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4077-432	0.35	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4077-432	0.45	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C4077-432	0.44	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4077-432	0.28	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4077-432	0.47	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4077-432	0.49	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4077-432	0.50	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4077-432	0.52	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4077-432	0.43	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4077-432	0.38	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4077-432	0.46	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4077-432	0.40	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4077-432	0.59	ND	ug/L	U
78-93-3	2-Butanone	C4077-432	1.92	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4077-432	0.50	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4077-432	0.36	ND	ug/L	U
591-78-6	2-Hexanone	C4077-432	2.23	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4077-432	0.52	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4077-432	0.34	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4077-432	1.82	ND	ug/L	U
67-64-1	Acetone	C4077-432	2.92	ND	ug/L	U
107-13-1	Acrylonitrile	C4077-432	7.65	ND	ug/L	U

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
71-43-2	Benzene	C4077-432	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4077-432	0.37	ND	ug/L	U
74-97-5	Bromochloromethane	C4077-432	0.53	ND	ug/L	U
75-27-4	Bromodichloromethane	C4077-432	0.50	ND	ug/L	U
75-25-2	Bromoform	C4077-432	0.37	ND	ug/L	U
74-83-9	Bromomethane	C4077-432	0.59	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4077-432	0.42	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4077-432	0.52	ND	ug/L	U
75-15-0	Carbon disulfide	C4077-432	0.40	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4077-432	0.44	ND	ug/L	U
108-90-7	Chlorobenzene	C4077-432	0.48	ND	ug/L	U
75-00-3	Chloroethane	C4077-432	0.94	ND	ug/L	U
67-66-3	Chloroform	C4077-432	0.46	ND	ug/L	U
74-87-3	Chloromethane	C4077-432	0.51	ND	ug/L	U
124-48-1	Dibromochloromethane	C4077-432	0.43	ND	ug/L	U
74-95-3	Dibromomethane	C4077-432	0.47	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4077-432	0.49	ND	ug/L	U
100-41-4	Ethylbenzene	C4077-432	0.41	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4077-432	0.54	ND	ug/L	U
98-82-8	Isopropylbenzene	C4077-432	0.44	ND	ug/L	U
108-38-3	m,p-xylene	C4077-432	0.86	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4077-432	0.50	ND	ug/L	U
75-09-2	Methylene Chloride	C4077-432	0.39	ND	ug/L	U
104-51-8	n-Butylbenzene	C4077-432	0.43	ND	ug/L	U
103-65-1	n-Propylbenzene	C4077-432	0.41	ND	ug/L	U
91-20-3	Naphthalene	C4077-432	0.33	**0.93**	ug/L	J
95-47-6	o-xylene	C4077-432	0.37	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4077-432	0.39	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4077-432	0.39	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4077-432	0.36	ND	ug/L	U
100-42-5	Styrene	C4077-432	0.39	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4077-432	0.27	ND	ug/L	U

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
10061-02-6	t-1,3-Dichloropropene	C4077-432	0.37	ND	ug/L	U
994-05-8	TAME	C4077-432	0.77	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4077-432	0.44	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4077-432	8.92	ND	ug/L	U
127-18-4	Tetrachloroethene	C4077-432	0.59	ND	ug/L	U
108-88-3	Toluene	C4077-432	0.45	ND	ug/L	U
79-01-6	Trichloroethene	C4077-432	0.46	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4077-432	0.52	ND	ug/L	U
75-01-4	Vinyl Chloride	C4077-432	0.43	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4077-432	105.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4077-432	96.1 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4077-432	105.0 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4077-432	95.3 %	(85 - 111)	

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	C4077-433	0.42	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4077-433	0.52	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4077-433	0.46	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4077-433	0.51	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4077-433	0.47	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4077-433	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4077-433	0.37	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C4077-433	0.36	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4077-433	0.36	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4077-433	0.54	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4077-433	0.35	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4077-433	0.45	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C4077-433	0.44	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4077-433	0.28	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4077-433	0.47	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4077-433	0.49	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4077-433	0.50	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4077-433	0.52	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4077-433	0.43	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4077-433	0.38	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4077-433	0.46	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4077-433	0.40	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4077-433	0.59	ND	ug/L	U
78-93-3	2-Butanone	C4077-433	1.92	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4077-433	0.50	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4077-433	0.36	ND	ug/L	U
591-78-6	2-Hexanone	C4077-433	2.23	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4077-433	0.52	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4077-433	0.34	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4077-433	1.82	ND	ug/L	U
67-64-1	Acetone	C4077-433	2.92	ND	ug/L	U
107-13-1	Acrylonitrile	C4077-433	7.65	ND	ug/L	U

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208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
71-43-2	Benzene	C4077-433	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4077-433	0.37	ND	ug/L	U
74-97-5	Bromochloromethane	C4077-433	0.53	ND	ug/L	U
75-27-4	Bromodichloromethane	C4077-433	0.50	ND	ug/L	U
75-25-2	Bromoform	C4077-433	0.37	ND	ug/L	U
74-83-9	Bromomethane	C4077-433	0.59	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4077-433	0.42	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4077-433	0.52	ND	ug/L	U
75-15-0	Carbon disulfide	C4077-433	0.40	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4077-433	0.44	ND	ug/L	U
108-90-7	Chlorobenzene	C4077-433	0.48	ND	ug/L	U
75-00-3	Chloroethane	C4077-433	0.94	ND	ug/L	U
67-66-3	Chloroform	C4077-433	0.46	ND	ug/L	U
74-87-3	Chloromethane	C4077-433	0.51	ND	ug/L	U
124-48-1	Dibromochloromethane	C4077-433	0.43	ND	ug/L	U
74-95-3	Dibromomethane	C4077-433	0.47	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4077-433	0.49	ND	ug/L	U
100-41-4	Ethylbenzene	C4077-433	0.41	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4077-433	0.54	ND	ug/L	U
98-82-8	Isopropylbenzene	C4077-433	0.44	ND	ug/L	U
108-38-3	m,p-xylene	C4077-433	0.86	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4077-433	0.50	ND	ug/L	U
75-09-2	Methylene Chloride	C4077-433	0.39	ND	ug/L	U
104-51-8	n-Butylbenzene	C4077-433	0.43	ND	ug/L	U
103-65-1	n-Propylbenzene	C4077-433	0.41	ND	ug/L	U
91-20-3	Naphthalene	C4077-433	0.33	**0.76**	ug/L	J
95-47-6	o-xylene	C4077-433	0.37	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4077-433	0.39	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4077-433	0.39	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4077-433	0.36	ND	ug/L	U
100-42-5	Styrene	C4077-433	0.39	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4077-433	0.27	ND	ug/L	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
10061-02-6	t-1,3-Dichloropropene	C4077-433	0.37	ND	ug/L	U
994-05-8	TAME	C4077-433	0.77	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4077-433	0.44	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4077-433	8.92	ND	ug/L	U
127-18-4	Tetrachloroethene	C4077-433	0.59	ND	ug/L	U
108-88-3	Toluene	C4077-433	0.45	ND	ug/L	U
79-01-6	Trichloroethene	C4077-433	0.46	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4077-433	0.52	ND	ug/L	U
75-01-4	Vinyl Chloride	C4077-433	0.43	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4077-433	101.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4077-433	96.3 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4077-433	103.0 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4077-433	95.5 %	(85 - 111)	

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	C4077-434	0.42	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4077-434	0.52	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4077-434	0.46	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4077-434	0.51	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4077-434	0.47	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4077-434	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4077-434	0.37	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C4077-434	0.36	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4077-434	0.36	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4077-434	0.54	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4077-434	0.35	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4077-434	0.45	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C4077-434	0.44	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4077-434	0.28	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4077-434	0.47	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4077-434	0.49	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4077-434	0.50	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4077-434	0.52	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4077-434	0.43	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4077-434	0.38	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4077-434	0.46	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4077-434	0.40	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4077-434	0.59	ND	ug/L	U
78-93-3	2-Butanone	C4077-434	1.92	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4077-434	0.50	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4077-434	0.36	ND	ug/L	U
591-78-6	2-Hexanone	C4077-434	2.23	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4077-434	0.52	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4077-434	0.34	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4077-434	1.82	ND	ug/L	U
67-64-1	Acetone	C4077-434	2.92	ND	ug/L	U
107-13-1	Acrylonitrile	C4077-434	7.65	ND	ug/L	U

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
71-43-2	Benzene	C4077-434	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4077-434	0.37	ND	ug/L	U
74-97-5	Bromochloromethane	C4077-434	0.53	ND	ug/L	U
75-27-4	Bromodichloromethane	C4077-434	0.50	ND	ug/L	U
75-25-2	Bromoform	C4077-434	0.37	ND	ug/L	U
74-83-9	Bromomethane	C4077-434	0.59	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4077-434	0.42	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4077-434	0.52	ND	ug/L	U
75-15-0	Carbon disulfide	C4077-434	0.40	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4077-434	0.44	ND	ug/L	U
108-90-7	Chlorobenzene	C4077-434	0.48	ND	ug/L	U
75-00-3	Chloroethane	C4077-434	0.94	ND	ug/L	U
67-66-3	Chloroform	C4077-434	0.46	ND	ug/L	U
74-87-3	Chloromethane	C4077-434	0.51	ND	ug/L	U
124-48-1	Dibromochloromethane	C4077-434	0.43	ND	ug/L	U
74-95-3	Dibromomethane	C4077-434	0.47	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4077-434	0.49	ND	ug/L	U
100-41-4	Ethylbenzene	C4077-434	0.41	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4077-434	0.54	ND	ug/L	U
98-82-8	Isopropylbenzene	C4077-434	0.44	ND	ug/L	U
108-38-3	m,p-xylene	C4077-434	0.86	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4077-434	0.50	ND	ug/L	U
75-09-2	Methylene Chloride	C4077-434	0.39	ND	ug/L	U
104-51-8	n-Butylbenzene	C4077-434	0.43	ND	ug/L	U
103-65-1	n-Propylbenzene	C4077-434	0.41	ND	ug/L	U
91-20-3	Naphthalene	C4077-434	0.33	**1.97**	ug/L	J
95-47-6	o-xylene	C4077-434	0.37	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4077-434	0.39	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4077-434	0.39	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4077-434	0.36	ND	ug/L	U
100-42-5	Styrene	C4077-434	0.39	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4077-434	0.27	ND	ug/L	U

Environmental Quality Services, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
10061-02-6	t-1,3-Dichloropropene	C4077-434	0.37	ND	ug/L	U
994-05-8	TAME	C4077-434	0.77	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4077-434	0.44	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4077-434	8.92	ND	ug/L	U
127-18-4	Tetrachloroethene	C4077-434	0.59	ND	ug/L	U
108-88-3	Toluene	C4077-434	0.45	ND	ug/L	U
79-01-6	Trichloroethene	C4077-434	0.46	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4077-434	0.52	ND	ug/L	U
75-01-4	Vinyl Chloride	C4077-434	0.43	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4077-434	101.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4077-434	96.2 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4077-434	103.0 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4077-434	94.9 %	(85 - 111)	

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	C4077-431	0.42	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4077-431	0.52	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4077-431	0.46	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4077-431	0.51	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4077-431	0.47	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4077-431	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4077-431	0.37	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C4077-431	0.36	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4077-431	0.36	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4077-431	0.54	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4077-431	0.35	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4077-431	0.45	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C4077-431	0.44	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4077-431	0.28	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4077-431	0.47	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4077-431	0.49	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4077-431	0.50	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4077-431	0.52	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4077-431	0.43	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4077-431	0.38	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4077-431	0.46	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4077-431	0.40	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4077-431	0.59	ND	ug/L	U
78-93-3	2-Butanone	C4077-431	1.92	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4077-431	0.50	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4077-431	0.36	ND	ug/L	U
591-78-6	2-Hexanone	C4077-431	2.23	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4077-431	0.52	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4077-431	0.34	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4077-431	1.82	ND	ug/L	U
67-64-1	Acetone	C4077-431	2.92	ND	ug/L	U
107-13-1	Acrylonitrile	C4077-431	7.65	ND	ug/L	U

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-4
Client Sample ID: Field Blank
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012
Collected: 4/27/2012 11:00

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
71-43-2	Benzene	C4077-431	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4077-431	0.37	ND	ug/L	U
74-97-5	Bromochloromethane	C4077-431	0.53	ND	ug/L	U
75-27-4	Bromodichloromethane	C4077-431	0.50	ND	ug/L	U
75-25-2	Bromoform	C4077-431	0.37	ND	ug/L	U
74-83-9	Bromomethane	C4077-431	0.59	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4077-431	0.42	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4077-431	0.52	ND	ug/L	U
75-15-0	Carbon disulfide	C4077-431	0.40	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4077-431	0.44	ND	ug/L	U
108-90-7	Chlorobenzene	C4077-431	0.48	ND	ug/L	U
75-00-3	Chloroethane	C4077-431	0.94	ND	ug/L	U
67-66-3	Chloroform	C4077-431	0.46	ND	ug/L	U
74-87-3	Chloromethane	C4077-431	0.51	ND	ug/L	U
124-48-1	Dibromochloromethane	C4077-431	0.43	ND	ug/L	U
74-95-3	Dibromomethane	C4077-431	0.47	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4077-431	0.49	ND	ug/L	U
100-41-4	Ethylbenzene	C4077-431	0.41	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4077-431	0.54	ND	ug/L	U
98-82-8	Isopropylbenzene	C4077-431	0.44	ND	ug/L	U
108-38-3	m,p-xylene	C4077-431	0.86	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4077-431	0.50	ND	ug/L	U
75-09-2	Methylene Chloride	C4077-431	0.39	**4.15**	ug/L	J
104-51-8	n-Butylbenzene	C4077-431	0.43	ND	ug/L	U
103-65-1	n-Propylbenzene	C4077-431	0.41	ND	ug/L	U
91-20-3	Naphthalene	C4077-431	0.33	ND	ug/L	U
95-47-6	o-xylene	C4077-431	0.37	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4077-431	0.39	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4077-431	0.39	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4077-431	0.36	ND	ug/L	U
100-42-5	Styrene	C4077-431	0.39	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4077-431	0.27	ND	ug/L	U

Environmental Quality Services, Inc.
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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
10061-02-6	t-1,3-Dichloropropene	C4077-431	0.37	ND	ug/L	U
994-05-8	TAME	C4077-431	0.77	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4077-431	0.44	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4077-431	8.92	ND	ug/L	U
127-18-4	Tetrachloroethene	C4077-431	0.59	ND	ug/L	U
108-88-3	Toluene	C4077-431	0.45	ND	ug/L	U
79-01-6	Trichloroethene	C4077-431	0.46	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4077-431	0.52	ND	ug/L	U
75-01-4	Vinyl Chloride	C4077-431	0.43	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4077-431	101.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4077-431	95.7 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4077-431	105.0 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4077-431	94.8 %	(85 - 111)	

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-5
Client Sample ID: Trip Blank
Collected: 4/27/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	C4077-430	0.42	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C4077-430	0.52	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C4077-430	0.46	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C4077-430	0.51	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C4077-430	0.47	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C4077-430	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C4077-430	0.37	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C4077-430	0.36	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C4077-430	0.36	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C4077-430	0.54	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C4077-430	0.35	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C4077-430	0.45	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C4077-430	0.44	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C4077-430	0.28	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C4077-430	0.47	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C4077-430	0.49	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C4077-430	0.50	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C4077-430	0.52	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C4077-430	0.43	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C4077-430	0.38	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C4077-430	0.46	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C4077-430	0.40	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C4077-430	0.59	ND	ug/L	U
78-93-3	2-Butanone	C4077-430	1.92	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C4077-430	0.50	ND	ug/L	U
95-49-8	2-Chlorotoluene	C4077-430	0.36	ND	ug/L	U
591-78-6	2-Hexanone	C4077-430	2.23	ND	ug/L	U
106-43-4	4-Chlorotoluene	C4077-430	0.52	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C4077-430	0.34	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C4077-430	1.82	ND	ug/L	U
67-64-1	Acetone	C4077-430	2.92	ND	ug/L	U
107-13-1	Acrylonitrile	C4077-430	7.65	ND	ug/L	U

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-5
Client Sample ID: Trip Blank
Collected: 4/27/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
71-43-2	Benzene	C4077-430	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C4077-430	0.37	ND	ug/L	U
74-97-5	Bromochloromethane	C4077-430	0.53	ND	ug/L	U
75-27-4	Bromodichloromethane	C4077-430	0.50	ND	ug/L	U
75-25-2	Bromoform	C4077-430	0.37	ND	ug/L	U
74-83-9	Bromomethane	C4077-430	0.59	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C4077-430	0.42	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C4077-430	0.52	ND	ug/L	U
75-15-0	Carbon disulfide	C4077-430	0.40	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C4077-430	0.44	ND	ug/L	U
108-90-7	Chlorobenzene	C4077-430	0.48	ND	ug/L	U
75-00-3	Chloroethane	C4077-430	0.94	ND	ug/L	U
67-66-3	Chloroform	C4077-430	0.46	ND	ug/L	U
74-87-3	Chloromethane	C4077-430	0.51	ND	ug/L	U
124-48-1	Dibromochloromethane	C4077-430	0.43	ND	ug/L	U
74-95-3	Dibromomethane	C4077-430	0.47	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C4077-430	0.49	ND	ug/L	U
100-41-4	Ethylbenzene	C4077-430	0.41	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C4077-430	0.54	ND	ug/L	U
98-82-8	Isopropylbenzene	C4077-430	0.44	ND	ug/L	U
108-38-3	m,p-xylene	C4077-430	0.86	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C4077-430	0.50	ND	ug/L	U
75-09-2	Methylene Chloride	C4077-430	0.39	ND	ug/L	U
104-51-8	n-Butylbenzene	C4077-430	0.43	ND	ug/L	U
103-65-1	n-Propylbenzene	C4077-430	0.41	ND	ug/L	U
91-20-3	Naphthalene	C4077-430	0.33	ND	ug/L	U
95-47-6	o-xylene	C4077-430	0.37	ND	ug/L	U
105-05-5	p-Diethylbenzene	C4077-430	0.39	ND	ug/L	U
622-96-8	p-Ethyltoluene	C4077-430	0.39	ND	ug/L	U
135-98-8	sec-Butylbenzene	C4077-430	0.36	ND	ug/L	U
100-42-5	Styrene	C4077-430	0.39	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C4077-430	0.27	ND	ug/L	U

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5/2/2012

Volatiles - EPA 8260B

Sample: 1204372-5
Client Sample ID: Trip Blank
Collected: 4/27/2012
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
10061-02-6	t-1,3-Dichloropropene	C4077-430	0.37	ND	ug/L	U
994-05-8	TAME	C4077-430	0.77	ND	ug/L	U
98-06-6	tert-Butylbenzene	C4077-430	0.44	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C4077-430	8.92	ND	ug/L	U
127-18-4	Tetrachloroethene	C4077-430	0.59	ND	ug/L	U
108-88-3	Toluene	C4077-430	0.45	ND	ug/L	U
79-01-6	Trichloroethene	C4077-430	0.46	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C4077-430	0.52	ND	ug/L	U
75-01-4	Vinyl Chloride	C4077-430	0.43	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C4077-430	102.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C4077-430	93.1 %	(75 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C4077-430	106.0 %	(80 - 132)	
2037-26-5	TOLUENE-D8	C4077-430	92.9 %	(85 - 111)	

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2857-6515	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2857-6515	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2857-6515	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2857-6515	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2857-6515	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2857-6515	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2857-6515	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2857-6515	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2857-6515	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2857-6515	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2857-6515	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2857-6515	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2857-6515	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2857-6515	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2857-6515	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2857-6515	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2857-6515	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2857-6515	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2857-6515	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2857-6515	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2857-6515	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2857-6515	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2857-6515	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2857-6515	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2857-6515	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2857-6515	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2857-6515	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2857-6515	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2857-6515	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2857-6515	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2857-6515	0.93	ND	ug/L	U
62-53-3	Aniline	C2857-6515	0.23	ND	ug/L	U

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2857-6515	0.84	ND	ug/L	U
92-87-5	Benzidine	C2857-6515	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2857-6515	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2857-6515	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2857-6515	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2857-6515	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2857-6515	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2857-6515	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2857-6515	0.48	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2857-6515	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2857-6515	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2857-6515	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2857-6515	1.44	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2857-6515	1.33	ND	ug/L	U
86-74-8	Carbazole	C2857-6515	1.08	ND	ug/L	U
218-01-9	Chrysene	C2857-6515	0.95	ND	ug/L	U
	Cresols	C2857-6515	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2857-6515	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2857-6515	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2857-6515	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2857-6515	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2857-6515	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2857-6515	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2857-6515	0.86	ND	ug/L	U
86-73-7	Fluorene	C2857-6515	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2857-6515	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2857-6515	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2857-6515	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2857-6515	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2857-6515	0.95	ND	ug/L	U
78-59-1	Isophorone	C2857-6515	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2857-6515	0.74	ND	ug/L	U

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
62-75-9	N-Nitrosodimethylamine	C2857-6515	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2857-6515	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2857-6515	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2857-6515	0.91	ND	ug/L	U
87-86-5	Pentachlorophenol	C2857-6515	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2857-6515	0.90	ND	ug/L	U
108-95-2	Phenol	C2857-6515	0.25	ND	ug/L	U
129-00-0	Pyrene	C2857-6515	1.01	ND	ug/L	U
110-86-1	Pyridine	C2857-6515	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2857-6515	47.3 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2857-6515	42.6 %	(43 - 116)	*
367-12-4	2-FLUOROPHENOL	C2857-6515	24.1 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	C2857-6515	42.8 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2857-6515	14.9 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2857-6515	43.3 %	(33 - 141)	

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2857-6516	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2857-6516	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2857-6516	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2857-6516	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2857-6516	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2857-6516	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2857-6516	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2857-6516	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2857-6516	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2857-6516	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2857-6516	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2857-6516	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2857-6516	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2857-6516	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2857-6516	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2857-6516	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2857-6516	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2857-6516	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2857-6516	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2857-6516	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2857-6516	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2857-6516	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2857-6516	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2857-6516	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2857-6516	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2857-6516	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2857-6516	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2857-6516	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2857-6516	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2857-6516	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2857-6516	0.93	ND	ug/L	U
62-53-3	Aniline	C2857-6516	0.23	ND	ug/L	U

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2857-6516	0.84	ND	ug/L	U
92-87-5	Benzidine	C2857-6516	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2857-6516	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2857-6516	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2857-6516	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2857-6516	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2857-6516	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2857-6516	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2857-6516	0.48	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2857-6516	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2857-6516	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2857-6516	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2857-6516	1.44	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2857-6516	1.33	ND	ug/L	U
86-74-8	Carbazole	C2857-6516	1.08	ND	ug/L	U
218-01-9	Chrysene	C2857-6516	0.95	ND	ug/L	U
	Cresols	C2857-6516	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2857-6516	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2857-6516	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2857-6516	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2857-6516	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2857-6516	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2857-6516	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2857-6516	0.86	ND	ug/L	U
86-73-7	Fluorene	C2857-6516	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2857-6516	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2857-6516	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2857-6516	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2857-6516	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2857-6516	0.95	ND	ug/L	U
78-59-1	Isophorone	C2857-6516	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2857-6516	0.74	ND	ug/L	U

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
62-75-9	N-Nitrosodimethylamine	C2857-6516	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2857-6516	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2857-6516	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2857-6516	0.91	ND	ug/L	U
87-86-5	Pentachlorophenol	C2857-6516	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2857-6516	0.90	ND	ug/L	U
108-95-2	Phenol	C2857-6516	0.25	ND	ug/L	U
129-00-0	Pyrene	C2857-6516	1.01	ND	ug/L	U
110-86-1	Pyridine	C2857-6516	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2857-6516	61.2 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2857-6516	44.3 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	C2857-6516	25.2 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	C2857-6516	45.6 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2857-6516	15.6 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2857-6516	66.7 %	(33 - 141)	

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2857-6517	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2857-6517	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2857-6517	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2857-6517	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2857-6517	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2857-6517	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2857-6517	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2857-6517	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2857-6517	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2857-6517	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2857-6517	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2857-6517	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2857-6517	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2857-6517	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2857-6517	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2857-6517	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2857-6517	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2857-6517	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2857-6517	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2857-6517	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2857-6517	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2857-6517	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2857-6517	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2857-6517	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2857-6517	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2857-6517	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2857-6517	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2857-6517	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2857-6517	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2857-6517	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2857-6517	0.93	ND	ug/L	U
62-53-3	Aniline	C2857-6517	0.23	ND	ug/L	U

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Semivolatile Compounds - EPA 8270C

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2857-6517	0.84	ND	ug/L	U
92-87-5	Benzidine	C2857-6517	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2857-6517	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2857-6517	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2857-6517	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2857-6517	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2857-6517	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2857-6517	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2857-6517	0.48	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2857-6517	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2857-6517	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2857-6517	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2857-6517	1.44	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2857-6517	1.33	ND	ug/L	U
86-74-8	Carbazole	C2857-6517	1.08	ND	ug/L	U
218-01-9	Chrysene	C2857-6517	0.95	ND	ug/L	U
	Cresols	C2857-6517	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2857-6517	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2857-6517	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2857-6517	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2857-6517	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2857-6517	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2857-6517	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2857-6517	0.86	ND	ug/L	U
86-73-7	Fluorene	C2857-6517	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2857-6517	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2857-6517	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2857-6517	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2857-6517	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2857-6517	0.95	ND	ug/L	U
78-59-1	Isophorone	C2857-6517	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2857-6517	0.74	ND	ug/L	U

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
62-75-9	N-Nitrosodimethylamine	C2857-6517	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2857-6517	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2857-6517	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2857-6517	0.91	ND	ug/L	U
87-86-5	Pentachlorophenol	C2857-6517	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2857-6517	0.90	ND	ug/L	U
108-95-2	Phenol	C2857-6517	0.25	ND	ug/L	U
129-00-0	Pyrene	C2857-6517	1.01	ND	ug/L	U
110-86-1	Pyridine	C2857-6517	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2857-6517	73.1 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2857-6517	50.8 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	C2857-6517	26.0 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	C2857-6517	48.1 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2857-6517	16.8 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2857-6517	69.9 %	(33 - 141)	

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2857-6518	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2857-6518	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2857-6518	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2857-6518	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2857-6518	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2857-6518	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2857-6518	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2857-6518	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2857-6518	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2857-6518	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2857-6518	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2857-6518	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2857-6518	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2857-6518	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2857-6518	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2857-6518	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2857-6518	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2857-6518	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2857-6518	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2857-6518	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2857-6518	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2857-6518	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2857-6518	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2857-6518	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2857-6518	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2857-6518	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2857-6518	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2857-6518	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2857-6518	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2857-6518	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2857-6518	0.93	ND	ug/L	U
62-53-3	Aniline	C2857-6518	0.23	ND	ug/L	U

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2857-6518	0.84	ND	ug/L	U
92-87-5	Benzidine	C2857-6518	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2857-6518	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2857-6518	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2857-6518	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2857-6518	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2857-6518	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2857-6518	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2857-6518	0.48	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2857-6518	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2857-6518	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2857-6518	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2857-6518	1.44	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2857-6518	1.33	ND	ug/L	U
86-74-8	Carbazole	C2857-6518	1.08	ND	ug/L	U
218-01-9	Chrysene	C2857-6518	0.95	ND	ug/L	U
	Cresols	C2857-6518	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2857-6518	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2857-6518	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2857-6518	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2857-6518	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2857-6518	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2857-6518	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2857-6518	0.86	ND	ug/L	U
86-73-7	Fluorene	C2857-6518	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2857-6518	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2857-6518	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2857-6518	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2857-6518	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2857-6518	0.95	ND	ug/L	U
78-59-1	Isophorone	C2857-6518	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2857-6518	0.74	ND	ug/L	U

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5/2/2012

Semivolatile Compounds - EPA 8270C

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/2/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
62-75-9	N-Nitrosodimethylamine	C2857-6518	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2857-6518	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2857-6518	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2857-6518	0.91	ND	ug/L	U
87-86-5	Pentachlorophenol	C2857-6518	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2857-6518	0.90	ND	ug/L	U
108-95-2	Phenol	C2857-6518	0.25	ND	ug/L	U
129-00-0	Pyrene	C2857-6518	1.01	ND	ug/L	U
110-86-1	Pyridine	C2857-6518	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2857-6518	58.4 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2857-6518	45.5 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	C2857-6518	23.3 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	C2857-6518	45.0 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2857-6518	14.2 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2857-6518	63.5 %	(33 - 141)	

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5/2/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
12674-11-2	PCB 1016	K1370-4	0.074	ND	ug/L	U
11104-28-2	PCB 1221	K1370-4	0.090	ND	ug/L	U
11141-16-5	PCB 1232	K1370-4	0.090	ND	ug/L	U
53469-21-9	PCB 1242	K1370-4	0.090	ND	ug/L	U
12672-29-6	PCB 1248	K1370-4	0.090	ND	ug/L	U
11097-69-1	PCB 1254	K1370-4	0.090	ND	ug/L	U
11096-82-5	PCB 1260	K1370-4	0.10	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1370-4	48.8 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1370-4	54.4 %	(30 - 150)	

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5/2/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
12674-11-2	PCB 1016	K1370-5	0.074	ND	ug/L	U
11104-28-2	PCB 1221	K1370-5	0.090	ND	ug/L	U
11141-16-5	PCB 1232	K1370-5	0.090	ND	ug/L	U
53469-21-9	PCB 1242	K1370-5	0.090	ND	ug/L	U
12672-29-6	PCB 1248	K1370-5	0.090	ND	ug/L	U
11097-69-1	PCB 1254	K1370-5	0.090	ND	ug/L	U
11096-82-5	PCB 1260	K1370-5	0.10	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1370-5	48.3 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1370-5	57.8 %	(30 - 150)	

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5/2/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204372-3

Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
12674-11-2	PCB 1016	K1370-6	0.074	ND	ug/L	U
11104-28-2	PCB 1221	K1370-6	0.090	ND	ug/L	U
11141-16-5	PCB 1232	K1370-6	0.090	ND	ug/L	U
53469-21-9	PCB 1242	K1370-6	0.090	ND	ug/L	U
12672-29-6	PCB 1248	K1370-6	0.090	ND	ug/L	U
11097-69-1	PCB 1254	K1370-6	0.090	ND	ug/L	U
11096-82-5	PCB 1260	K1370-6	0.10	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1370-6	59.4 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1370-6	59.7 %	(30 - 150)	

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5/2/2012

PCB Aroclors by SW846 8082/EPA 608

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
12674-11-2	PCB 1016	K1370-7	0.074	ND	ug/L	U
11104-28-2	PCB 1221	K1370-7	0.090	ND	ug/L	U
11141-16-5	PCB 1232	K1370-7	0.090	ND	ug/L	U
53469-21-9	PCB 1242	K1370-7	0.090	ND	ug/L	U
12672-29-6	PCB 1248	K1370-7	0.090	ND	ug/L	U
11097-69-1	PCB 1254	K1370-7	0.090	ND	ug/L	U
11096-82-5	PCB 1260	K1370-7	0.10	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	K1370-7	55.0 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	K1370-7	66.2 %	(30 - 150)	

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5/2/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
72-54-8	4,4'-DDD	L1358-5	0.0013	ND	ug/L	U
72-55-9	4,4'-DDE	L1358-5	0.0015	ND	ug/L	U
50-29-3	4,4'-DDT	L1358-5	0.0014	ND	ug/L	U
309-00-2	Aldrin	L1358-5	0.0011	ND	ug/L	U
319-84-6	alpha-BHC	L1358-5	0.00092	ND	ug/L	U
5103-71-9	alpha-Chlordane	L1358-5	0.0012	ND	ug/L	U
319-85-7	beta-BHC	L1358-5	0.0015	ND	ug/L	U
57-74-9	Chlordane	L1358-5	0.12	ND	ug/L	U
319-86-8	delta-BHC	L1358-5	0.0013	**0.0084**	ug/L	J
60-57-1	Dieldrin	L1358-5	0.0011	ND	ug/L	U
959-98-8	Endosulfan I	L1358-5	0.0013	ND	ug/L	U
33213-65-9	Endosulfan II	L1358-5	0.0015	ND	ug/L	U
1031-07-8	Endosulfan sulfate	L1358-5	0.0014	ND	ug/L	U
72-20-8	Endrin	L1358-5	0.0014	ND	ug/L	U
7421-36-3	Endrin Aldehyde	L1358-5	0.0010	ND	ug/L	U
53494-70-5	Endrin ketone	L1358-5	0.0014	ND	ug/L	U
58-89-9	gamma-BHC (Lindane)	L1358-5	0.00089	ND	ug/L	U
5103-74-2	gamma-Chlordane	L1358-5	0.0013	ND	ug/L	U
76-44-8	Heptachlor	L1358-5	0.0012	ND	ug/L	U
1024-57-3	Heptachlor epoxide	L1358-5	0.0013	ND	ug/L	U
72-43-5	Methoxychlor	L1358-5	0.0014	ND	ug/L	U
8001-35-2	Toxaphene	L1358-5	0.39	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1358-5	95.7 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1358-5	52.1 %	(30 - 150)	

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5/2/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
72-54-8	4,4'-DDD	L1358-6	0.0013	ND	ug/L	U
72-55-9	4,4'-DDE	L1358-6	0.0015	ND	ug/L	U
50-29-3	4,4'-DDT	L1358-6	0.0014	ND	ug/L	U
309-00-2	Aldrin	L1358-6	0.0011	ND	ug/L	U
319-84-6	alpha-BHC	L1358-6	0.00092	ND	ug/L	U
5103-71-9	alpha-Chlordane	L1358-6	0.0012	ND	ug/L	U
319-85-7	beta-BHC	L1358-6	0.0015	ND	ug/L	U
57-74-9	Chlordane	L1358-6	0.12	ND	ug/L	U
319-86-8	delta-BHC	L1358-6	0.0013	ND	ug/L	U
60-57-1	Dieldrin	L1358-6	0.0011	ND	ug/L	U
959-98-8	Endosulfan I	L1358-6	0.0013	ND	ug/L	U
33213-65-9	Endosulfan II	L1358-6	0.0015	ND	ug/L	U
1031-07-8	Endosulfan sulfate	L1358-6	0.0014	ND	ug/L	U
72-20-8	Endrin	L1358-6	0.0014	ND	ug/L	U
7421-36-3	Endrin Aldehyde	L1358-6	0.0010	ND	ug/L	U
53494-70-5	Endrin ketone	L1358-6	0.0014	ND	ug/L	U
58-89-9	gamma-BHC (Lindane)	L1358-6	0.00089	ND	ug/L	U
5103-74-2	gamma-Chlordane	L1358-6	0.0013	ND	ug/L	U
76-44-8	Heptachlor	L1358-6	0.0012	ND	ug/L	U
1024-57-3	Heptachlor epoxide	L1358-6	0.0013	ND	ug/L	U
72-43-5	Methoxychlor	L1358-6	0.0014	ND	ug/L	U
8001-35-2	Toxaphene	L1358-6	0.39	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1358-6	80.5 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1358-6	49.4 %	(30 - 150)	

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Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
72-54-8	4,4'-DDD	L1358-7	0.0013	ND	ug/L	U
72-55-9	4,4'-DDE	L1358-7	0.0015	ND	ug/L	U
50-29-3	4,4'-DDT	L1358-7	0.0014	ND	ug/L	U
309-00-2	Aldrin	L1358-7	0.0011	ND	ug/L	U
319-84-6	alpha-BHC	L1358-7	0.00092	ND	ug/L	U
5103-71-9	alpha-Chlordane	L1358-7	0.0012	ND	ug/L	U
319-85-7	beta-BHC	L1358-7	0.0015	ND	ug/L	U
57-74-9	Chlordane	L1358-7	0.12	ND	ug/L	U
319-86-8	delta-BHC	L1358-7	0.0013	ND	ug/L	U
60-57-1	Dieldrin	L1358-7	0.0011	ND	ug/L	U
959-98-8	Endosulfan I	L1358-7	0.0013	ND	ug/L	U
33213-65-9	Endosulfan II	L1358-7	0.0015	ND	ug/L	U
1031-07-8	Endosulfan sulfate	L1358-7	0.0014	ND	ug/L	U
72-20-8	Endrin	L1358-7	0.0014	ND	ug/L	U
7421-36-3	Endrin Aldehyde	L1358-7	0.0010	ND	ug/L	U
53494-70-5	Endrin ketone	L1358-7	0.0014	ND	ug/L	U
58-89-9	gamma-BHC (Lindane)	L1358-7	0.00089	ND	ug/L	U
5103-74-2	gamma-Chlordane	L1358-7	0.0013	ND	ug/L	U
76-44-8	Heptachlor	L1358-7	0.0012	ND	ug/L	U
1024-57-3	Heptachlor epoxide	L1358-7	0.0013	ND	ug/L	U
72-43-5	Methoxychlor	L1358-7	0.0014	ND	ug/L	U
8001-35-2	Toxaphene	L1358-7	0.39	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1358-7	101.0 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1358-7	50.5 %	(30 - 150)	

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5/2/2012

Pesticide Compounds -EPA 608/SW846 8081A

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/2/2012
Preparation Date(s) : 5/1/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
72-54-8	4,4'-DDD	L1358-8	0.0013	ND	ug/L	U
72-55-9	4,4'-DDE	L1358-8	0.0015	ND	ug/L	U
50-29-3	4,4'-DDT	L1358-8	0.0014	ND	ug/L	U
309-00-2	Aldrin	L1358-8	0.0011	ND	ug/L	U
319-84-6	alpha-BHC	L1358-8	0.00092	ND	ug/L	U
5103-71-9	alpha-Chlordane	L1358-8	0.0012	ND	ug/L	U
319-85-7	beta-BHC	L1358-8	0.0015	ND	ug/L	U
57-74-9	Chlordane	L1358-8	0.12	ND	ug/L	U
319-86-8	delta-BHC	L1358-8	0.0013	ND	ug/L	U
60-57-1	Dieldrin	L1358-8	0.0011	ND	ug/L	U
959-98-8	Endosulfan I	L1358-8	0.0013	ND	ug/L	U
33213-65-9	Endosulfan II	L1358-8	0.0015	ND	ug/L	U
1031-07-8	Endosulfan sulfate	L1358-8	0.0014	ND	ug/L	U
72-20-8	Endrin	L1358-8	0.0014	ND	ug/L	U
7421-36-3	Endrin Aldehyde	L1358-8	0.0010	ND	ug/L	U
53494-70-5	Endrin ketone	L1358-8	0.0014	ND	ug/L	U
58-89-9	gamma-BHC (Lindane)	L1358-8	0.00089	ND	ug/L	U
5103-74-2	gamma-Chlordane	L1358-8	0.0013	ND	ug/L	U
76-44-8	Heptachlor	L1358-8	0.0012	ND	ug/L	U
1024-57-3	Heptachlor epoxide	L1358-8	0.0013	ND	ug/L	U
72-43-5	Methoxychlor	L1358-8	0.0014	ND	ug/L	U
8001-35-2	Toxaphene	L1358-8	0.39	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L1358-8	94.7 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L1358-8	48.5 %	(30 - 150)	

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5/2/2012

Dissolved Mercury by SW846 7470/7471/245.1

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000020	**0.000026**	mg/L	

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000020	ND	mg/L	U

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000020	**0.000023**	mg/L	

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5/2/2012

Mercury by SW846 7470/7471/EPA 245.1

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000020	**0.000052**	mg/L	

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000020	**0.000047**	mg/L	

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000020	**0.00019**	mg/L	

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5/2/2012

Mercury by SW846 7470/7471/EPA 245.1

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7439-97-6	Mercury	0.000020	**0.000087**	mg/L	

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5/2/2012

TAL Metals by SW846 6010

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.025	**19.6**	mg/L	
7440-36-0	Antimony	0.0090	ND	mg/L	U
7440-38-2	Arsenic	0.0038	**0.015**	mg/L	
7440-39-3	Barium	0.0010	**0.14**	mg/L	
7440-41-7	Beryllium	0.0010	ND	mg/L	U
7440-43-9	Cadmium	0.00040	ND	mg/L	U
7440-70-2	Calcium	0.014	**77.0**	mg/L	
7440-47-3	Chromium	0.0012	**0.075**	mg/L	
7440-48-4	Cobalt	0.00074	**0.020**	mg/L	
7440-50-8	Copper	0.0034	**0.050**	mg/L	
7439-89-6	Iron	0.029	**28.6**	mg/L	
7439-92-1	Lead	0.0023	**0.015**	mg/L	
7439-95-4	Magnesium	0.051	**12.5**	mg/L	
7439-96-5	Manganese	0.0012	**1.33**	mg/L	
7440-02-0	Nickel	0.0014	**0.082**	mg/L	
7440-09-7	Potassium	0.065	**8.19**	mg/L	
7782-49-2	Selenium	0.0064	ND	mg/L	U
7440-22-4	Silver	0.00066	ND	mg/L	U
7440-23-5	Sodium	0.032	**26.3**	mg/L	
7440-28-0	Thallium	0.0050	ND	mg/L	U
7440-62-2	Vanadium	0.00067	**0.047**	mg/L	
7440-66-6	Zinc	0.0063	**0.066**	mg/L	

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5/2/2012

TAL Metals by SW846 6010

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.025	**40.8**	mg/L	
7440-36-0	Antimony	0.0090	ND	mg/L	U
7440-38-2	Arsenic	0.0038	**0.021**	mg/L	
7440-39-3	Barium	0.0010	**0.33**	mg/L	
7440-41-7	Beryllium	0.0010	ND	mg/L	U
7440-43-9	Cadmium	0.00040	ND	mg/L	U
7440-70-2	Calcium	0.014	**63.4**	mg/L	
7440-47-3	Chromium	0.0012	**0.092**	mg/L	
7440-48-4	Cobalt	0.00074	**0.047**	mg/L	
7440-50-8	Copper	0.0034	**0.14**	mg/L	
7439-89-6	Iron	0.029	**81.7**	mg/L	
7439-92-1	Lead	0.0023	**0.055**	mg/L	
7439-95-4	Magnesium	0.051	**18.5**	mg/L	
7439-96-5	Manganese	0.0012	**3.17**	mg/L	
7440-02-0	Nickel	0.0014	**0.17**	mg/L	
7440-09-7	Potassium	0.065	**15.2**	mg/L	
7782-49-2	Selenium	0.0064	ND	mg/L	U
7440-22-4	Silver	0.00066	ND	mg/L	U
7440-23-5	Sodium	0.032	**16.9**	mg/L	
7440-28-0	Thallium	0.0050	ND	mg/L	U
7440-62-2	Vanadium	0.00067	**0.095**	mg/L	
7440-66-6	Zinc	0.0063	**0.18**	mg/L	

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5/2/2012

TAL Metals by SW846 6010

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.025	**46.8**	mg/L	
7440-36-0	Antimony	0.0090	ND	mg/L	U
7440-38-2	Arsenic	0.0038	**0.020**	mg/L	
7440-39-3	Barium	0.0010	**0.28**	mg/L	
7440-41-7	Beryllium	0.0010	ND	mg/L	U
7440-43-9	Cadmium	0.00040	ND	mg/L	U
7440-70-2	Calcium	0.014	**61.7**	mg/L	
7440-47-3	Chromium	0.0012	**0.10**	mg/L	
7440-48-4	Cobalt	0.00074	**0.050**	mg/L	
7440-50-8	Copper	0.0034	**0.12**	mg/L	
7439-89-6	Iron	0.029	**83.5**	mg/L	
7439-92-1	Lead	0.0023	**0.032**	mg/L	
7439-95-4	Magnesium	0.051	**20.8**	mg/L	
7439-96-5	Manganese	0.0012	**3.20**	mg/L	
7440-02-0	Nickel	0.0014	**0.18**	mg/L	
7440-09-7	Potassium	0.065	**15.2**	mg/L	
7782-49-2	Selenium	0.0064	ND	mg/L	U
7440-22-4	Silver	0.00066	ND	mg/L	U
7440-23-5	Sodium	0.032	**23.0**	mg/L	
7440-28-0	Thallium	0.0050	ND	mg/L	U
7440-62-2	Vanadium	0.00067	**0.11**	mg/L	
7440-66-6	Zinc	0.0063	**0.15**	mg/L	

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208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/2/2012

TAL Metals by SW846 6010

Sample: 1204372-4
Client Sample ID: Field Blank
Collected: 4/27/2012 11:00
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.025	ND	mg/L	U
7440-36-0	Antimony	0.0090	ND	mg/L	U
7440-38-2	Arsenic	0.0038	**0.0073**	mg/L	
7440-39-3	Barium	0.0010	ND	mg/L	U
7440-41-7	Beryllium	0.0010	ND	mg/L	U
7440-43-9	Cadmium	0.00040	ND	mg/L	U
7440-70-2	Calcium	0.014	**0.057**	mg/L	
7440-47-3	Chromium	0.0012	ND	mg/L	U
7440-48-4	Cobalt	0.00074	**0.0010**	mg/L	
7440-50-8	Copper	0.0034	**0.0077**	mg/L	
7439-89-6	Iron	0.029	ND	mg/L	U
7439-92-1	Lead	0.0023	ND	mg/L	U
7439-95-4	Magnesium	0.051	ND	mg/L	U
7439-96-5	Manganese	0.0012	**0.0049**	mg/L	
7440-02-0	Nickel	0.0014	ND	mg/L	U
7440-09-7	Potassium	0.065	**0.40**	mg/L	
7782-49-2	Selenium	0.0064	ND	mg/L	U
7440-22-4	Silver	0.00066	ND	mg/L	U
7440-23-5	Sodium	0.032	**0.073**	mg/L	
7440-28-0	Thallium	0.0050	ND	mg/L	U
7440-62-2	Vanadium	0.00067	ND	mg/L	U
7440-66-6	Zinc	0.0063	**0.023**	mg/L	

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5/2/2012

TAL Metals, Dissolved by Method SW846 6010

Sample: 1204372-1
Client Sample ID: Sample Location: A1 Collected: 4/27/2012 09:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.025	**0.89**	mg/L	
7440-36-0	Antimony	0.0090	ND	mg/L	U
7440-38-2	Arsenic	0.0038	**0.010**	mg/L	
7440-39-3	Barium	0.0010	**0.049**	mg/L	
7440-41-7	Beryllium	0.0010	ND	mg/L	U
7440-43-9	Cadmium	0.00040	ND	mg/L	U
7440-70-2	Calcium	0.014	**121**	mg/L	
7440-47-3	Chromium	0.0012	**0.012**	mg/L	
7440-48-4	Cobalt	0.00074	ND	mg/L	U
7440-50-8	Copper	0.0034	ND	mg/L	U
7439-89-6	Iron	0.029	**1.24**	mg/L	
7439-92-1	Lead	0.0023	**0.0041**	mg/L	
7439-95-4	Magnesium	0.051	**10.9**	mg/L	
7439-96-5	Manganese	0.0012	**0.23**	mg/L	
7440-02-0	Nickel	0.0014	**0.010**	mg/L	
7440-09-7	Potassium	0.065	**5.93**	mg/L	
7782-49-2	Selenium	0.0064	ND	mg/L	U
7440-22-4	Silver	0.00066	ND	mg/L	U
7440-23-5	Sodium	0.032	**41.1**	mg/L	
7440-28-0	Thallium	0.0050	ND	mg/L	U
7440-62-2	Vanadium	0.00067	**0.0035**	mg/L	
7440-66-6	Zinc	0.0063	**0.024**	mg/L	

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5/2/2012

TAL Metals, Dissolved by Method SW846 6010

Sample: 1204372-2
Client Sample ID: Sample Location: A2 Collected: 4/27/2012 09:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.025	**1.05**	mg/L	
7440-36-0	Antimony	0.0090	ND	mg/L	U
7440-38-2	Arsenic	0.0038	ND	mg/L	U
7440-39-3	Barium	0.0010	**0.061**	mg/L	
7440-41-7	Beryllium	0.0010	ND	mg/L	U
7440-43-9	Cadmium	0.00040	ND	mg/L	U
7440-70-2	Calcium	0.014	**159**	mg/L	
7440-47-3	Chromium	0.0012	**0.021**	mg/L	
7440-48-4	Cobalt	0.00074	ND	mg/L	U
7440-50-8	Copper	0.0034	ND	mg/L	U
7439-89-6	Iron	0.029	**1.24**	mg/L	
7439-92-1	Lead	0.0023	**0.010**	mg/L	
7439-95-4	Magnesium	0.051	**13.9**	mg/L	
7439-96-5	Manganese	0.0012	**0.25**	mg/L	
7440-02-0	Nickel	0.0014	**0.014**	mg/L	
7440-09-7	Potassium	0.065	**7.61**	mg/L	
7782-49-2	Selenium	0.0064	**0.064**	mg/L	
7440-22-4	Silver	0.00066	ND	mg/L	U
7440-23-5	Sodium	0.032	**51.6**	mg/L	
7440-28-0	Thallium	0.0050	ND	mg/L	U
7440-62-2	Vanadium	0.00067	**0.0043**	mg/L	
7440-66-6	Zinc	0.0063	**0.061**	mg/L	

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5/2/2012

TAL Metals, Dissolved by Method SW846 6010

Sample: 1204372-3
Client Sample ID: Sample Location: A3 Collected: 4/27/2012 10:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 5/1/2012
Preparation Date(s) : 4/30/2012 4/30/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7429-90-5	Aluminum	0.025	**0.36**	mg/L	
7440-36-0	Antimony	0.0090	ND	mg/L	U
7440-38-2	Arsenic	0.0038	ND	mg/L	U
7440-39-3	Barium	0.0010	**0.046**	mg/L	
7440-41-7	Beryllium	0.0010	ND	mg/L	U
7440-43-9	Cadmium	0.00040	ND	mg/L	U
7440-70-2	Calcium	0.014	**113**	mg/L	
7440-47-3	Chromium	0.0012	**0.0079**	mg/L	
7440-48-4	Cobalt	0.00074	ND	mg/L	U
7440-50-8	Copper	0.0034	ND	mg/L	U
7439-89-6	Iron	0.029	**0.46**	mg/L	
7439-92-1	Lead	0.0023	**0.0028**	mg/L	
7439-95-4	Magnesium	0.051	**10.6**	mg/L	
7439-96-5	Manganese	0.0012	**0.14**	mg/L	
7440-02-0	Nickel	0.0014	**0.0070**	mg/L	
7440-09-7	Potassium	0.065	**5.68**	mg/L	
7782-49-2	Selenium	0.0064	ND	mg/L	U
7440-22-4	Silver	0.00066	ND	mg/L	U
7440-23-5	Sodium	0.032	**42.8**	mg/L	
7440-28-0	Thallium	0.0050	ND	mg/L	U
7440-62-2	Vanadium	0.00067	**0.0018**	mg/L	
7440-66-6	Zinc	0.0063	**0.050**	mg/L	

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5/2/2012

Case Narrative

EPA 8270 Semi-Volatiles

Initial Calibration:
Average Response was used as the method of quantitation with the exception of the following compounds whose %RSD was >15%. For these compounds, linear regression was used:

benzoic acid(coeffcient 0.949)
Haxaclorocyclopentadiene (coefficient 0.949)
2,3,4,6-Tetrachlorophenol (coefficient 0.997)
4-Nitrophenol (coefficient 0.998)
2,4-Dinitrotoluene (coefficient 0.998)
2,3,4,6 Tetrachlorophenol (coefficient 0.997)
4,6dinitro-2-methylphenol(coefficient 0.972)
2,4,6-Tribromophenol (coefficient 0.984)
Pentachlorophenol (coefficient 0.941)

Sample #1204372-1 was reported with one surrogate analyzed outside of QC parameters due to matrix interference

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5/2/2012

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100,
150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and
300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Initial Calibration:
The following compounds exhibited a % RSD of >%15 and requiered linear regression quantitation.
Correlation coefficcients met method critiria of 0.995 or greater.

Chloroethane
Trichlorofluoromethane
Acetone
Bromoform

The following compounds exhibited a % RDS greater than 15% in the initial calibration:

Chloroethane (35.45)
Trichlorofluoromethane (26.00)
Acetone (38.80)
Bromoform (15.25)

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5/2/2012

Case Narrative

METALS ANALYSIS

Batch C4285

TOTAL

Cd,Se,Tl for sample#1, Se,Tl for sample#2,3 and Ag,Tl for sample#4 were rejected after a review of the spectra revealed no peaks above the baseline.

DISSOLVED

Ag,Se for sample#1, As for sample#2, Ag,As,Se for sample#3 and Ag,Se for sample#5 were rejected after a review of the spectra revealed no peaks above the baseline.

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5/2/2012

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Appendix VI

Soil Vapor Analytical Data

USEPA TO-15 Data Report

Client	Report Date
Environmental Building Solutions, LLC 231 West 29th Street, Suite 601 New York, NY 10001 Attn: Michael Borello	06/13/12
	Project Receipt Date
	05/30/12
Client Project ID	**EMSL Project ID**
89 Grand St, Bklyn	491200554

Sample Summary

EMSL Sample ID	Client Sample ID	Sample Collection Date
491200554-1	Outside Air	05/30/2012
491200554-2	Inside	05/30/2012
491200554-3	Basement-SE	05/30/2012
491200554-4	Basement-NW	05/30/2012
491200554-5	Blank	05/30/2012

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and electronic data has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Marjorie Howley

6/13/2012

Marjorie Howley
TO-15 Laboratory Manager
EMSL Analytical, Inc

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Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-1
Client Sample ID:	Outside Air	**Canister ID:**	E0567
Primary Lab File ID:	J3627.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	ND	1.0		ND	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	0.50		ND	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	**0.64**	0.50		**1.3**	1.0
n-Butane	106-97-8	58.12	**1.2**	0.50		**2.7**	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**13**	0.50		**24**	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**1.5**	0.50		**3.7**	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**7.2**	0.50		**17**	1.2
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	0.50		ND	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	ND	0.50		ND	1.6
Methylene chloride	75-09-2	84.94	**0.65**	0.50		**2.3**	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	**0.67**	0.50		**2.4**	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	**0.51**	0.50		**1.5**	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	ND	0.50		ND	1.8
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	ND	0.50		ND	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	0.50		ND	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	ND	0.50		ND	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	ND	0.50		ND	1.6

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-1
Client Sample ID:	Outside Air	**Canister ID:**	E0567
Primary Lab File ID:	J3627.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**1.2**	0.50		**4.4**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	ND	0.50		ND	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	ND	0.50		ND	2.2
Xylene (p,m)	1330-20-7	106.2	ND	1.0		ND	4.3
Xylene (Ortho)	95-47-6	106.2	ND	0.50		ND	2.2
Styrene	100-42-5	104.1	ND	0.50		ND	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4
4-Ethyltoluene	622-96-8	120.2	ND	0.50		ND	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	ND	0.50		ND	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	9.8	10	**98%**

Qualifier Definitions

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

ND= Non Detect

Air Analysis Data Summary

EPA Compendium TO-15

Tentatively Identified Compounds

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-1TIC
Client Sample ID:	Outside Air	**Canister ID:**	E0567
Primary Lab File ID:	J3627.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Ethane, 1,1-difluoro-	000075-37-6	66	5.0	JN	13	5.64
Unknown			2.6	J	9.7	11.41

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-2
Client Sample ID:	Inside	**Canister ID:**	E0281
Primary Lab File ID:	J3628.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	ND	1.0		ND	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	0.50		ND	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	**0.62**	0.50		**1.3**	1.0
n-Butane	106-97-8	58.12	**2.9**	0.50		**7.0**	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**19**	0.50		**35**	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**2.2**	0.50		**5.4**	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**17**	0.50		**40**	1.2
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	0.50		ND	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	ND	0.50		ND	1.6
Methylene chloride	75-09-2	84.94	**7.3**	0.50		**25**	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	**0.64**	0.50		**2.2**	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	**0.96**	0.50		**2.8**	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	ND	0.50		ND	1.8
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	ND	0.50		ND	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	0.50		ND	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	ND	0.50		ND	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	ND	0.50		ND	1.6

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-2
Client Sample ID:	Inside	**Canister ID:**	E0281
Primary Lab File ID:	J3628.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**1.9**	0.50		**7.2**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	ND	0.50		ND	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	ND	0.50		ND	2.2
Xylene (p,m)	1330-20-7	106.2	ND	1.0		ND	4.3
Xylene (Ortho)	95-47-6	106.2	ND	0.50		ND	2.2
Styrene	100-42-5	104.1	ND	0.50		ND	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4
4-Ethyltoluene	622-96-8	120.2	ND	0.50		ND	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	ND	0.50		ND	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	9.9	10	99%

Qualifier Definitions

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

ND= Non Detect

Air Analysis Data Summary

EPA Compendium TO-15

Tentatively Identified Compounds

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-2TIC
Client Sample ID:	Inside	**Canister ID:**	E0281
Primary Lab File ID:	J3628.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Ethane, 1,1-difluoro-	000075-37-6	66	**6.6**	JN	**18**	5.60
Unknown			**2.7**	J	**10**	8.88
Unknown			**1.6**	J	**5.9**	11.39
Benzene, 1-chloro-4-(trifluorometh	000098-56-6	180	**3.0**	JN	**22**	22.47

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-3
Client Sample ID:	Basement SE	**Canister ID:**	E0235
Primary Lab File ID:	J3629.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	ND	1.0		ND	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	**2.6**	0.50		**13**	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	ND	0.50		ND	1.0
n-Butane	106-97-8	58.12	**2.5**	0.50		**5.9**	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**310**	0.50	**E**	**590**	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	**1.2**	0.50		**6.7**	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**15**	0.50		**38**	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**22**	0.50		**52**	1.2
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	0.50		ND	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	ND	0.50		ND	1.6
Methylene chloride	75-09-2	84.94	**1.4**	0.50		**4.8**	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	ND	0.50		ND	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	**2.3**	0.50		**6.8**	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	**1.4**	0.50		**5.2**	1.8
Chloroform	67-66-3	119.4	**0.99**	0.50		**4.9**	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	**1.1**	0.50		**3.6**	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	0.50		ND	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	ND	0.50		ND	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	ND	0.50		ND	1.6

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-3
Client Sample ID:	Basement SE	**Canister ID:**	E0235
Primary Lab File ID:	J3629.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**6.5**	0.50		**25**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	**7.5**	0.50		**51**	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	ND	0.50		ND	2.2
Xylene (p,m)	1330-20-7	106.2	ND	1.0		ND	4.3
Xylene (Ortho)	95-47-6	106.2	**1.1**	0.50		**4.7**	2.2
Styrene	100-42-5	104.1	**12**	0.50		**51**	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4
4-Ethyltoluene	622-96-8	120.2	ND	0.50		ND	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	**0.55**	0.50		**2.7**	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	12.5	10	**125%**

Qualifier Definitions

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

ND= Non Detect

Air Analysis Data Summary

EPA Compendium TO-15

Tentatively Identified Compounds

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-3TIC
Client Sample ID:	Basement SE	**Canister ID:**	E0235
Primary Lab File ID:	J3629.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
1-Butanol	000071-36-3	74	**55**	JN	**170**	16.36
Limonene	000138-86-3	136	**17**	JN	**95**	27.18

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-4
Client Sample ID:	Basement NW	**Canister ID:**	E0467
Primary Lab File ID:	J3630.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	ND	1.0		ND	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	**0.55**	0.50		**2.7**	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	ND	0.50		ND	1.0
n-Butane	106-97-8	58.12	ND	0.50		ND	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**230**	0.50	**E**	**440**	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	ND	0.50		ND	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**43**	0.50	**E**	**100**	1.2
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	**3.3**	0.50		**10**	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	**2.7**	0.50		**8.4**	1.6
Methylene chloride	75-09-2	84.94	ND	0.50		ND	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	ND	0.50		ND	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	**2.0**	0.50		**5.9**	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	**1.1**	0.50		**4.1**	1.8
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	**1.3**	0.50		**4.3**	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	0.50		ND	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	ND	0.50		ND	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	ND	0.50		ND	1.6

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-4
Client Sample ID:	Basement NW	**Canister ID:**	E0467
Primary Lab File ID:	J3630.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**5.9**	0.50		**22**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	**1.4**	0.50		**9.5**	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	ND	0.50		ND	2.2
Xylene (p,m)	1330-20-7	106.2	ND	1.0		ND	4.3
Xylene (Ortho)	95-47-6	106.2	**0.72**	0.50		**3.1**	2.2
Styrene	100-42-5	104.1	**9.8**	0.50		**42**	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4
4-Ethyltoluene	622-96-8	120.2	ND	0.50		ND	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	ND	0.50		ND	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	11.9	10	**119%**

Qualifier Definitions

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

ND= Non Detect

Air Analysis Data Summary

EPA Compendium TO-15

Tentatively Identified Compounds

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-4TIC
Client Sample ID:	Basement NW	**Canister ID:**	E0467
Primary Lab File ID:	J3630.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/01/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Cyclotetrasiloxane, octamethyl-	000556-67-2	296	**230**	JN	**2800**	23.99
Unknown			**2.5**	J	**9.4**	25.70
Unknown			**3.0**	J	**11**	26.87
Limonene	000138-86-3	136	**12**	JN	**68**	27.20

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-5 RE
Client Sample ID:	Blank	**Canister ID:**	E0302
Primary Lab File ID:	J3642.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/04/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	ND	1.0		ND	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	0.50		ND	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	ND	0.50		ND	1.0
n-Butane	106-97-8	58.12	ND	0.50		ND	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	ND	0.50		ND	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	ND	0.50		ND	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	ND	0.50		ND	1.2
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	0.50		ND	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	ND	0.50		ND	1.6
Methylene chloride	75-09-2	84.94	ND	0.50		ND	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	ND	0.50		ND	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	ND	0.50		ND	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	ND	0.50		ND	1.8
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	ND	0.50		ND	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	0.50		ND	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	ND	0.50		ND	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	ND	0.50		ND	1.6

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-5 RE
Client Sample ID:	Blank	**Canister ID:**	E0302
Primary Lab File ID:	J3642.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/04/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	ND	0.50		ND	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	ND	0.50		ND	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	ND	0.50		ND	2.2
Xylene (p,m)	1330-20-7	106.2	ND	1.0		ND	4.3
Xylene (Ortho)	95-47-6	106.2	ND	0.50		ND	2.2
Styrene	100-42-5	104.1	ND	0.50		ND	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4
4-Ethyltoluene	622-96-8	120.2	ND	0.50		ND	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	ND	0.50		ND	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	10.1	10	**101%**

Qualifier Definitions

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

ND= Non Detect

Air Analysis Data Summary

EPA Compendium TO-15

Tentatively Identified Compounds

Client Project Name:	89 Grand St, Bklyn	**EMSL ID:**	491200554-5 RETIC
Client Sample ID:	Blank	**Canister ID:**	E0302
Primary Lab File ID:	J3642.D	**Dilution Lab File ID:**	NA
Analysis Date:	06/04/2012	**Analysis Date:**	NA
Sample Vol(ml):	250	**Sample Vol(ml):**	NA
Dilution Factor:	1	**Dilution Factor:**	NA

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

USEPA TO-15

External Chain of Custody/ Field Test Data Sheet

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
Ph. (800) 220-3675
Fax (856) 786-0327

EMSL ANALYTICAL, INC. LABORATORY • PRODUCTS • TRAINING

EMSL Order Number (Lab Use Only): 4912005541

Report To Contact Name: Michael Borello	Bill To Company:	Sampled By (Sign): Sharon Dyal
Company Name: CBS, LLC	Attention To:	Sampled By (Name): SHARON DYAL
Address 1: 231 West 29th Street	Address 1:	Total # of Samples: 5
Address 2:	Address 2:	Date Shipped: 5/30/12
Phone No.: 646-290-5925 Fax:	Phone No.: Fax:	Sample Collection Zip Code: 11211
Email Results To:	Project Name: 89 Grand St, Bklyn	Purchase Order:

Turnaround Time (in Business Days): ☐ 10 Day Standard ☐ 5 Day ☐ 4 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ Other

Reporting Format: ☐ Results Only (Standard Lab Report) ☐ Full Deliverables (Surcharge may apply) ☐ Other

Field Use - All information Required! / Lab Use Only

EMSL Sample Identifier	Client Field Sample Identification	Sampling Start Information: Start Date	Start Time (24 hr clock)	Start Canister Pressure ("Hg)	Start Interior Temp. (F)	Sampling Stop Information: Stop Date	Stop Time (24 hr clock)	Stop Canister Pressure ("Hg)	Stop Interior Temp. (F)	Canister ID	Size (L)	Can Cert Batch ID	Outgoing Pressure ("Hg)	Incoming Pressure ("Hg)	Flow Contoller Reg. ID	Cal Flow (ml/min)	USEPA TO-15	NJDEP LLTO-15	LIBRARY SEARCH	Other (Specify)	Indoor/ Ambient Air	Soil Gas	Landfill/ Vent
	Outside Air	5/30	9:20	-30	-	5/30/12	11:20	-1		E0567	6	025536	-24.6	-0.2	7289065	42.2	X						
	Inside		9:30	-30	73°F			-1	75°F	E0281				0	7296267	42.6	X						
	Basement - SE		1:45	-30			3:45	0	73°F	E0235				-1.0	3593	42.6	X						
	Basement - NW		1:30	-30			3:30	-1	73°F	E0467				-2.0	3678	42.5	X						
	Blank	5/30/12	-	-	-	5/30/12	-	-	-	E0302				-28.8	3116	42.6	X						

12 MAY 30 PM 6:50

Comments: Email results: mborello@cbsllcnyc.com / sdyal@cbsllcnyc.com.

Lab Canister Certification

Analyst Signature (TO-15):

Relinquished by:	Date/ Time	Received by:	Date/ Time	Affixed Seal #	Reason for Exchange (circle appropriate)
[illegible]	5/23/12 1930	[illegible]	05-24-12 11:55	—	Shipping Courier Receiving Sampling Other:
[illegible]	05-24-12 14:55				Shipping Courier Receiving Sampling Other:
Sharon Dyal	5/30/12 1000	Bob Way	5.30.12 8:50		Shipping Courier Receiving Sampling Other:
Bob Way		M. Howley	5/31/12 1450		Shipping Courier Receiving Sampling Other:
					Shipping Courier Receiving Sampling Other:

491200554

TO-15 Sample Information

Please fill out this worksheet in addition to the Chain of Custody form. This information helps us to best analyze your samples.

Company: CBS, LLC

Contact Person:

Name: Michael Borello

E-mail: mborello@ebsllcnyc.com

Additional E-mail: sdyal@ebsllcnyc.com

Telephone #: 646-290-5425 **Fax:**

12 MAY 30 PM 8:50

RECEIVED
EASL
DATA ANALYSIS

Do you want your results emailed? [✓] YES [ ] NO

Library Search requested: [✓] YES [ ] NO

A library search will identify up to 20 of the largest, non-target peaks that are not part of the standard TO-15 list of 70 compounds. If you are performing an Indoor Air Quality or odor investigation the library search is recommended. If you will need help interpreting your report the library search is REQUIRED. Requesting a library search after sample results are reported will be invoiced at an additional $75/sample.

Sample Type:

[ ] Indoor Air Quality (Home/Office) [ ] Vent Gas [✓] Soil Gas

[ ] IAQ (Industrial) [ ] Other: _____

Description of sample (Important for the lab to achieve your requested turnaround time):

Are there any special detection limits, specific set of compounds, or any other specifics you need in your report?

[ ] YES (Please list or attach separate sheet) [ ] NO

Do you need any additional analysis on the canister sample? (circle below)

CO Methane CO2 SO2 EtO Nox O2 Other_____

Sample Retention Policy: All canisters are guaranteed to be retained for one day after results are reported. Please review your results promptly to ensure that your project scope is fully addressed. Cans may be retained for a longer period of time but arrangements to hold your cans must be made through your customer account representative quickly. Thank you.

491200554

EMSL Analytical, Inc.
Relinquish Form

Initial Lab:	EMSL- MANHATTAN	Phone Number:	212-290-0051
		Fax Number:	212-290-0058
Relinquished to:	EMSL- WESTMONT	Phone Number:	800-220-3675
		Fax Number:	856-858-1292
Does new Lab hold equivalent or additional accreditation*			☒ Yes ☐ No

EMSL Customer ID #:	EBSO62
Client Name:	Environmental Building Solutions, LLC
Client Project:	89 GRAND STREET
Date Received:	5/30/12
Date Relinquished:	5/30/12
Date Due:	N/A
Special Instructions:	TO-15/ PLEASE ADD ADDITIONAL $40 FOR COURIER

12 MAY 30 PM 8:50
RECEIVED
EMSL
WESTMONT, NJ

Relinquished by (Signature): Sean Moreno	Date: 5-30-12	Received by (Signature)	Date: 5-30-12 18:05
Relinquished by (Signature):	Date: 05-30-12 20:55	Received by (Signature) Bill Course	Date: 5 30.12 8:50pm

Client Notification- Please sign this form and fax to the original laboratory. By signing below you agree to allow the above named laboratory to relinquish the samples to a new laboratory with equivalent or additional certification.

Name (please Print)	Signature	Agent of:	Date:

If this is a reoccurring project or sample type that will require samples to be relinquished on a regular basis please sign below and the laboratory will keep this form on file.

Name (please Print)	Signature	Agent of:	Date:

- All accreditation information and certificates can be found at www.emsl.com.

USEPA TO-15 Data Report

Client	Report Date
Environmental Building Solutions, LLC 231 West 29th Street, Suite 601 New York, NY 10001 Attn: Michael Borollo	05/07/12
	Project Receipt Date
	04/27/12
Client Project ID	**EMSL Project ID**
Marion Smit-87 Grand St.	491200465

Sample Summary

EMSL Sample ID	Client Sample ID	Sample Collection Date
491200465-1	A1-0292	04/27/2012
491200465-2	A2-0429	04/27/2012
491200465-3	A3-0518	04/27/2012

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and electronic data has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Marjorie Howley

5/7/2012

Marjorie Howley
TO-15 Laboratory Manager
EMSL Analytical, Inc

This report shall not be modified or reproduced, except in its entirety, without the written consent of EMSL Analytical, Inc.

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name: Marion Smit-87 Grand St. **EMSL ID:** 491200465-1
Client Sample ID: A1-0292 **Canister ID:** E0292

Primary Lab File ID: J3379.D **Dilution Lab File ID:** J3371
Analysis Date: 05/04/2012 **Analysis Date:** 05/04/2012
Sample Vol(ml): 250 **Sample Vol(ml):** 25
Dilution Factor: 1 **Dilution Factor:** 10.00

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	**2.5**	1.0		**5.9**	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	**2.0**	0.50		**10**	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	ND	0.50		ND	1.0
n-Butane	106-97-8	58.12	ND	0.50		ND	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**88**	5.0	D	**170**	9.4
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	ND	0.50		ND	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**250**	5.0	D	**600**	12
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	0.50		ND	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	ND	0.50		ND	1.6
Methylene chloride	75-09-2	84.94	**0.78**	0.50		**2.7**	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	**12**	0.50		**44**	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	ND	0.50		ND	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	ND	0.50		ND	1.8
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	**2.9**	0.50		**10**	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	**2.5**	0.50		**11**	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	**4.4**	0.50		**18**	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	**6.0**	0.50		**19**	1.6

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name: Marion Smit-87 Grand St. **EMSL ID:** 491200465-1
Client Sample ID: A1-0292 **Canister ID:** E0292

Primary Lab File ID: J3379.D **Dilution Lab File ID:** J3371
Analysis Date: 05/04/2012 **Analysis Date:** 05/04/2012
Sample Vol(ml): 250 **Sample Vol(ml):** 25
Dilution Factor: 1 **Dilution Factor:** 10.00

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**17**	0.50		**65**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	**36**	0.50		**240**	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	**1.5**	0.50		**6.3**	2.2
Xylene (p,m)	1330-20-7	106.2	**5.4**	1.0		**24**	4.3
Xylene (Ortho)	95-47-6	106.2	**1.6**	0.50		**6.8**	2.2
Styrene	100-42-5	104.1	ND	0.50		ND	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4
4-Ethyltoluene	622-96-8	120.2	**1.7**	0.50		**8.2**	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	**1.6**	0.50		**7.9**	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	10.0	10	**100%**

Qualifier Definitions

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

ND= Non Detect

Air Analysis Data Summary

EPA Compendium TO-15

Tentatively Identified Compounds

Client Project Name:	Marion Smit-87 Grand St.	**EMSL ID:**	491200465-1TIC
Client Sample ID:	A1-0292	**Canister ID:**	E0292
Primary Lab File ID:	J3379.D	**Dilution Lab File ID:**	J3371
Analysis Date:	05/04/2012	**Analysis Date:**	05/04/2012
Sample Vol(ml):	250	**Sample Vol(ml):**	25
Dilution Factor:	1	**Dilution Factor:**	10

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Isobutane	000075-28-5	58	**1.4**	JN	**3.4**	6.06
Unknown hydrocarbon			**22**	J	**81**	6.55
Acetaldehyde	000075-07-0	44	**13**	JN	**24**	7.09
Butane, 2-methyl-	000078-78-4	72	**18**	JN	**54**	8.08
Pentane	000109-66-0	72	**17**	JN	**50**	8.85
Cyclopropane, 1,2-dimethyl-, cis-	000930-18-7	70	**2.9**	JN	**8.4**	9.39
Unknown hydrocarbon			**1.2**	J	**4.5**	9.70
Cyclopropane, 1,2-dimethyl-, trans	002402-06-4	70	**3.1**	JN	**8.8**	9.84
Pentane, 2-methyl-	000107-83-5	86	**10**	JN	**37**	11.20
Unknown			**6.3**	J	**24**	11.82
Unknown			**6.9**	J	**26**	14.16
Hexane, 2-methyl-	000591-76-4	100	**3.2**	JN	**13**	14.98
Hexane, 3-methyl-	000589-34-4	100	**4.9**	JN	**20**	15.36
Cyclohexane, methyl-	000108-87-2	98	**3.7**	JN	**15**	17.84
Unknown hydrocarbon			**1.3**	J	**5.0**	18.20
Unknown hydrocarbon			**2.2**	J	**8.2**	18.46
Unknown hydrocarbon			**1.0**	J	**3.9**	18.67
Unknown			**3.1**	J	**12**	19.61
Decane	000124-18-5	142	**1.5**	JN	**8.9**	25.21

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name: Marion Smit-87 Grand St. **EMSL ID:** 491200465-2
Client Sample ID: A2-0439 **Canister ID:** E0439

Primary Lab File ID: J3380.D **Dilution Lab File ID:** J3372
Analysis Date: 05/04/2012 **Analysis Date:** 05/04/2012
Sample Vol(ml): 250 **Sample Vol(ml):** 25
Dilution Factor: 1 **Dilution Factor:** 10.00

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	**9.8**	1.0		**23**	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	0.50		ND	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	ND	0.50		ND	1.0
n-Butane	106-97-8	58.12	ND	0.50		ND	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**40**	0.50		**75**	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**6.1**	0.50		**15**	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**480**	5.0	**DE**	**1100**	12
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	**4.7**	0.50		**14**	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	ND	0.50		ND	1.6
Methylene chloride	75-09-2	84.94	ND	0.50		ND	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	**9.8**	0.50		**35**	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	ND	0.50		ND	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	ND	0.50		ND	1.8
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	**2.6**	0.50		**9.1**	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	0.50		ND	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	**4.0**	0.50		**16**	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	**5.8**	0.50		**19**	1.6

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name: Marion Smit-87 Grand St. **EMSL ID:** 491200465-2
Client Sample ID: A2-0439 **Canister ID:** E0439

Primary Lab File ID: J3380.D **Dilution Lab File ID:** J3372
Analysis Date: 05/04/2012 **Analysis Date:** 05/04/2012
Sample Vol(ml): 250 **Sample Vol(ml):** 25
Dilution Factor: 1 **Dilution Factor:** 10.00

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	**0.72**	0.50		**3.0**	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**19**	0.50		**70**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	**8.2**	0.50		**56**	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	**2.2**	0.50		**10**	2.2
Xylene (p,m)	1330-20-7	106.2	**7.3**	1.0		**32**	4.3
Xylene (Ortho)	95-47-6	106.2	**2.4**	0.50		**10**	2.2
Styrene	100-42-5	104.1	ND	0.50		ND	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4
4-Ethyltoluene	622-96-8	120.2	**2.0**	0.50		**10**	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	**1.7**	0.50		**8.1**	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	10.2	10	**102%**

Qualifier Definitions

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

ND= Non Detect

Air Analysis Data Summary

EPA Compendium TO-15

Tentatively Identified Compounds

Client Project Name:	Marion Smit-87 Grand St.	**EMSL ID:**	491200465-2TIC
Client Sample ID:	A2-0439	**Canister ID:**	E0439
Primary Lab File ID:	J3380.D	**Dilution Lab File ID:**	J3372
Analysis Date:	05/04/2012	**Analysis Date:**	05/04/2012
Sample Vol(ml):	250	**Sample Vol(ml):**	25
Dilution Factor:	1	**Dilution Factor:**	10

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Isobutane	000075-28-5	58	**1.4**	JN	**3.4**	6.01
1-Propene, 2-methyl-	000115-11-7	56	**38**	JN	**86**	6.50
Acetaldehyde	000075-07-0	44	**26**	JN	**46**	7.07
Butane, 2-methyl-	000078-78-4	72	**13**	JN	**38**	8.03
Pentane	000109-66-0	72	**12**	JN	**35**	8.80
Cyclopropane, 1,2-dimethyl-, cis-	000930-18-7	70	**2.2**	JN	**6.2**	8.97
Unknown hydrocarbon			**2.3**	J	**8.7**	9.36
Cyclopropane, 1,2-dimethyl-, trans	002402-06-4	70	**2.7**	JN	**7.7**	9.81
Pentane, 2-methyl-	000107-83-5	86	**6.2**	JN	**22**	11.17
Unknown			**4.5**	J	**17**	11.79
Unknown			**5.7**	J	**21**	14.15
Hexane, 2-methyl-	000591-76-4	100	**2.5**	JN	**10**	14.95
Unknown			**3.6**	J	**14**	15.33
Cyclohexane, methyl-	000108-87-2	98	**3.4**	JN	**14**	17.82
Unknown hydrocarbon			**2.7**	J	**10**	18.45
Hexane, 3-methyl-4-methylene-	003404-67-9	112	**1.3**	JN	**5.7**	18.66
Heptane, 3-methyl-	000589-81-1	114	**1.2**	JN	**5.4**	18.78
Unknown			**3.5**	J	**13**	19.60
Decane	000124-18-5	142	**1.3**	JN	**7.6**	25.21

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name: Marion Smit-87 Grand St. **EMSL ID:** 491200465-3
Client Sample ID: A3-0518 **Canister ID:** E0518

Primary Lab File ID: J3381.D **Dilution Lab File ID:** J3373
Analysis Date: 05/04/2012 **Analysis Date:** 05/04/2012
Sample Vol(ml): 250 **Sample Vol(ml):** 25
Dilution Factor: 1 **Dilution Factor:** 10.00

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	**57**	10	**D**	**140**	24
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	0.50		ND	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	ND	0.50		ND	1.0
n-Butane	106-97-8	58.12	ND	0.50		ND	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**37**	0.50		**69**	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**7.1**	0.50		**18**	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**530**	5.0	**DE**	**1300**	12
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	**5.9**	0.50		**18**	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	**4.6**	0.50		**14**	1.6
Methylene chloride	75-09-2	84.94	ND	0.50		ND	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	**12**	0.50		**41**	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	ND	0.50		ND	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	ND	0.50		ND	1.8
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	**2.8**	0.50		**10**	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	**2.2**	0.50		**10**	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	**3.5**	0.50		**14**	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	**6.8**	0.50		**22**	1.6

Air Analysis Data Summary

EPA Compendium TO-15

Target Compound List

Client Project Name: Marion Smit-87 Grand St. **EMSL ID:** 491200465-3
Client Sample ID: A3-0518 **Canister ID:** E0518

Primary Lab File ID: J3381.D **Dilution Lab File ID:** J3373
Analysis Date: 05/04/2012 **Analysis Date:** 05/04/2012
Sample Vol(ml): 250 **Sample Vol(ml):** 25
Dilution Factor: 1 **Dilution Factor:** 10.00

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**16**	0.50		**62**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	**4.6**	0.50		**31**	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	**2.2**	0.50		**10**	2.2
Xylene (p,m)	1330-20-7	106.2	**7.1**	1.0		**31**	4.3
Xylene (Ortho)	95-47-6	106.2	**2.4**	0.50		**10**	2.2
Styrene	100-42-5	104.1	ND	0.50		ND	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4
4-Ethyltoluene	622-96-8	120.2	**2.3**	0.50		**11**	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	**0.52**	0.50		**2.6**	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	**1.7**	0.50		**8.5**	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	10.2	10	**102%**

Qualifier Definitions

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

ND= Non Detect

Air Analysis Data Summary

EPA Compendium TO-15

Tentatively Identified Compounds

Client Project Name:	Marion Smit-87 Grand St.	**EMSL ID:**	491200465-3TIC
Client Sample ID:	A3-0518	**Canister ID:**	E0518
Primary Lab File ID:	J3381.D	**Dilution Lab File ID:**	J3373
Analysis Date:	05/04/2012	**Analysis Date:**	05/04/2012
Sample Vol(ml):	250	**Sample Vol(ml):**	25
Dilution Factor:	1	**Dilution Factor:**	10

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Unknown			1.7	J	6.4	5.92
Isobutane	000075-28-5	58	3.7	JN	8.8	6.02
1-Propene, 2-methyl-	000115-11-7	56	51	JN	120	6.53
Acetaldehyde	000075-07-0	44	27	JN	49	7.09
Butane, 2-methyl-	000078-78-4	72	15	JN	45	8.04
Pentane	000109-66-0	72	18	JN	54	8.83
Cyclopropane, 1,2-dimethyl-, cis-	000930-18-7	70	4.8	JN	14	9.00
Unknown hydrocarbon			3.4	J	13	9.37
Cyclopropane, 1,2-dimethyl-, trans	002402-06-4	70	1.9	JN	5.4	9.68
Unknown hydrocarbon			3.6	J	14	9.82
Pentane, 2-methyl-	000107-83-5	86	7.4	JN	26	11.18
Unknown			4.7	J	18	11.81
Unknown			5.2	J	19	14.16
Hexane, 2-methyl-	000591-76-4	100	2.4	JN	9.8	14.96
Hexane, 3-methyl-	000589-34-4	100	3.5	JN	14	15.35
Cyclohexane, methyl-	000108-87-2	98	2.6	JN	10	17.82
Unknown hydrocarbon			2.2	J	8.3	18.46
Unknown			2.2	J	8.3	19.61

Qualifier Definitions

B = Compound also found in method blank.
J= Estimated value based on a 1:1 response to internal standard.
N= Presumptive evidence of compound based on library match.

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

USEPA TO-15

External Chain of Custody/ Field Test Data Sheet

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
Ph. (800) 220-3675
Fax (856) 786-0327

EMSL Order Number (Lab Use Only): 491200465

Report To Contact Name: Michael Borello	Bill To Company: EBS, LLC	Sampled By (Sign): Sharon Dyal
Company Name: EBS, LLC	Attention To:	Sampled By (Name): Sharon Dyal
Address 1: 231 West 29th Street	Address 1:	Total # of Samples: 3
Address 2: Suite 601, NY NY 10001	Address 2:	Date Shipped: 4/27/12
Phone No.: 646-210-5925 Fax: 212-367-9715	Phone No.: Fax:	Sample Collection Zip Code: 11211
Email Results To: mborello@ebsllcnyc.com	Project Name: Marion Smit - 87 Grand St	Purchase Order:

Turnaround Time (in Business Days): ☐ 10 Day Standard ☐ 5 Day ☐ 4 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ Other

Reporting Format: ☐ Results Only (Standard Lab Report) ☐ Full Deliverables (Surcharge may apply) ☐ Other

Field Use - All Information Required! / Lab Use Only

EMSL Sample Identifier	Client Field Sample Identification	Sampling Start Information: Start Date	Start Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp. (F)	Sampling Stop Information: Stop Date	Stop Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp. (F)	Canister Information: Canister ID	Size (L)	Can Cert Batch ID	Outgoing Pressure ("Hg)	Incoming Pressure ("Hg)	Flow Contoller: Reg. ID	Cal Flow (ml/min)	Analysis: USEPA TO-15	NJDEP LLTO-15	LIBRARY SEARCH	Other (Specify)			Matrix: Indoor/ Ambient Air	Soil Gas	Landfill/ Vent
	A1-0292	4/27/12	8:45	30		4/27/12	10:[illegible]	0		E0439	6	C2543	-29.2	+0.2	3588	42.5	X								
	A2-0439	↓	8:47	30		↓	10:30	0		E0292	↓	↓	↓	-7.6	3591	42.6	X								
	A3-0518	↓	8:49	30		↓	10:20	0		E0518	↓	↓	↓	+0.2	7289050	42.2	X								

12 APR 27 P[illegible]

12 APR 27 AM 11:17

EMSL ANALYTICAL RECEIVED

Comments:

Lab Canister Certification

Analyst Signature (TO-15):

Relinquished by:	Date/ Time	Received by:	Date/ Time	Affixed Seal #	Reason for Exchange (circle appropriate)
[signature]	4/24/12 1955	[signature] 04-24-12		—	Shipping Courier Receiving Sampling Other:
[signature]	04-25-12 14:20	Sharon Dyal	4/25/12 02:20		Shipping Courier Receiving Sampling Other:
Sharon Dyal	04/27/12 8:30	BMW	04-26-12 10:45		Shipping Courier Receiving Sampling Other:
		Katy Cy	4/27/12 11:47am		Shipping Courier Receiving Sampling Other:
		[signature] COUR	4/27 9:10		Shipping Courier Receiving Sampling Other:
[signature] 4/27 9:15		[signature]	4/30/12 14:50		

4912004 65

TO-15 Sample Information

Please fill out this worksheet in addition to the Chain of Custody form. This information helps us to best analyze your samples.

Company: Environmental Building Solutions, LLC

Contact Person:

Name: Michael Borello

E-mail: mborello@ebsllcnyc.com

Additional E-mail: aborello@ebsllcnyc.com / jleitner@ebsllcnyc.com.

Telephone #: **Fax:**

Do you want your results emailed? [X] YES [ ] NO

Library Search requested: [ ] YES [ ] NO

A library search will identify up to 20 of the largest, non-target peaks that are not part of the standard TO-15 list of 70 compounds. If you are performing an Indoor Air Quality or odor investigation the library search is recommended. If you will need help interpreting your report the library search is REQUIRED. Requesting a library search after sample results are reported will be invoiced at an additional $75/sample.

Sample Type:

[ ] Indoor Air Quality (Home/Office) [ ] Vent Gas [ ] Soil Gas

[ ] IAQ (Industrial) [ ] Other: _____

Description of sample (Important for the lab to achieve your requested turnaround time):

Are there any special detection limits, specific set of compounds, or any other specifics you need in your report?

[ ] YES (Please list or attach separate sheet) [X] NO

Do you need any additional analysis on the canister sample? (circle below)

CO Methane CO2 SO2 EtO Nox O2 Other_____

Sample Retention Policy: All canisters are guaranteed to be retained for one day after results are reported. Please review your results promptly to ensure that your project scope is fully addressed. Cans may be retained for a longer period of time but arrangements to hold your cans must be made through your customer account representative quickly. Thank you.

12 APR 27 PM 9:12
EMSL MANHATTAN LAB RECEIVED 2012 APR 27 AM 11:47

491200465

EMSL Analytical, Inc.
Relinquish Form

Initial Lab:	EMSL- MANHATTAN	Phone Number:	212-290-0051
		Fax Number:	212-290-0058
Relinquished to:	EMSL- WESTMONT	Phone Number:	800-220-3675
		Fax Number:	856-858-1292
Does new Lab hold equivalent or additional accreditation*		☒ Yes ☐ No	

EMSL Customer ID #:	
Client Name:	EBS
Client Project:	Marcin Suit 81 Grand Street
Date Received:	4/27
Date Relinquished:	4/27
Date Due:	None Provided
Special Instructions:	

12 APR 27 PM 9:12

Relinquished by (Signature):	Date: 4/27	Received by (Signature)	Date: 04-27-12 18:20
Relinquished by (Signature):	Date: 04-27-12 21:00	Received by (Signature)	Date: 4/27 21:10

Client Notification- Please sign this form and fax to the original laboratory. By signing below you agree to allow the above named laboratory to relinquish the samples to a new laboratory with equivalent or additional certification.

Name (please Print)	Signature	Agent of:	Date:

If this is a reoccurring project or sample type that will require samples to be relinquished on a regular basis please sign below and the laboratory will keep this form on file.

Name (please Print)	Signature	Agent of:	Date:

- All accreditation information and certificates can be found at www.emsl.com.