

SUPPLEMENTAL SUBSURFACE INVESTIGATION REPORT

August 10, 2014

Submitted for:

Georgetown Shopping Plaza
2181-2195, 2183B Ralph Avenue
Brooklyn, New York 11234

Prepared for:

Howard Mintz
2181 Ralph Avenue
Brooklyn, New York 11234

Submitted by:

Impact Environmental Closures, Inc.
170 Keyland Court
Bohemia, NY 11716

IE Project Number:

6980-01-03-3002



IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

TABLE OF CONTENTS

Section	Topic	Page
1	PURPOSE & SCOPE.....	1
2	SITE DESCRIPTION.....	2
2.1	Site Location	2
2.2	Previous Investigations	2
2.2.1	Subsurface Investigation	2
3	SUBSURFACE INVESTIGATION ACTIVITIES	4
3.1	Subsurface Soil Sampling	5
3.1.1	Soil Sample Procedures	5
3.2	Soil Vapor Sampling	7
3.2.1	Semi-Permanent Sub-Slab Sand Air Sampling Sample Procedure.....	8
3.2.2	Soil Vapor Sample Procedure	9
3.3	Groundwater Sampling	10
3.3.1	Temporary Groundwater Well Point Sample Procedure.....	10
3.3.2	Permanent Groundwater Monitoring Well Sample Procedure.....	11
4	ENVIRONMENTAL EVALUATION.....	13
4.1	Stratigraphy	13
4.2	Hydrogeology	13
4.3	Soil Laboratory Analytical Results	13
4.4	Soil Vapor Laboratory Analytical Results	14
4.5	Groundwater Laboratory Analytical Results	15
5	CONCLUSIONS AND RECOMMENDATIONS	17
5.1	Subsurface Soil	17
5.2	Soil Vapor Intrusion.....	17
5.3	Groundwater	18

FIGURES

- Figure 1:** Site Location Map
Figure 2: Site Boundary Map
Figure 3: Sample Acquisition Map

TABLES

- Table 1:** Soil Sample Analysis Summary Table
Table 2: Sub-Slab Soil Vapor, Indoor Air and Outdoor Air Sample Analysis Table
Table 3: Groundwater Sample Analysis Summary Table

APPENDICES

- Appendix A:** Previous Subsurface Investigation Report
Appendix B: Boring Logs
Appendix C: Groundwater Sample Field Sheets
Appendix D: Photographs
Appendix E: Laboratory Report, Alpha Analytical
Appendix F: Quality Assurance and Quality Control Procedures (QA/QC)

1 PURPOSE & SCOPE

At the request of Mr. Howard Mintz, Impact Environmental Closures, Inc. (Impact Environmental) conducted a Supplemental Subsurface Investigation (SSI) at the Georgetown Shopping Center located at 2181-2195, 2183B Ralph Avenue, Brooklyn, New York (Block 8344, Lot 1), herein identified as the "Site." The purpose of this SSI was to further evaluate the nature and extent of tetrachloroethene (PCE) concentrations detected in soil vapor and soil samples proximal to the former drycleaner unit (currently occupied by Pearle Vision) during a Subsurface Investigation completed by Roux Associates, Inc. (Roux Associates) on August 29 and 30, 2013. The field portion of the SSI was implemented from June 28, 2014 through July 18, 2014 in accordance with Impact Environmental's June 21, 2014 executed Contract Agreement.

The investigative protocols proposed for this assessment were based, in part, upon the following documents: 1) the New York State Department of Environmental Conservation (NYSDEC) NYCRR Part 375 Environmental Remediation Programs, dated December 14, 2006; 2) the NYSDEC, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations (AWQSL); 3) the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006; and 4) the NYSDEC, Division of Environmental Remediation, Draft DER-10 Technical Guidance For Site Investigation and Remediation, dated December 25, 2002. The activities performed under the scope of this investigation have been summarized in this report in the following sections.

- Site Description
- Subsurface Investigation Activities
- Environmental Evaluation
- Conclusion and recommendations

Presented herein are the results of the SSI conducted by Impact Environmental on the Site.

2 SITE DESCRIPTION

2.1 Site Location

The overall Site encompasses approximately 6.72 acres (293,000 square feet) and is currently occupied by Georgetown Shopping Center, a multi-unit retail shopping plaza. The Site is bordered by Avenue K and East 72 Street to the north/northeast, Ralph Avenue to the west, Avenue L to south/southeast. The Site is situated in an area comprised primarily of residential properties intermixed with light commercial use. A **Site Location Map** is provided as **Figure 1**. Additionally, a **Site Boundary Map** is included as **Figure 2**.

The primary focus of the SSI specifically targeted the vicinity of the historic dry cleaner previously situated on the southern portion of the overall Site where the Pearle Vision currently exists.

2.2 Previous Investigations

2.2.1 Subsurface Investigation

A Subsurface Investigation Summary Report, dated May 29, 2014, was prepared by Roux Associates with regard to a limited SI performed on August 29 and 30, 2013 (see **Appendix A**). The SI revealed the presence of PCE, a liquid volatile organic compound (VOC) widely used as a dry cleaning solvent, in the subsurface soil vapor and soil at the rear of the former dry cleaner unit space. A brief discussion of the above SI's findings are presented below:

- PCE was detected in the soil sample identified as RSB-3 at a depth of 8 to 10 feet below grade surface (bgs) at a concentration of 2,800 microgram per kilogram ($\mu\text{g}/\text{kg}$). This exceeds the Part 375 Unrestricted Use Soil Cleanup Objective (SCO) for PCE of 1,300 $\mu\text{g}/\text{kg}$, but is below the Commercial Use SCO of 150,000 $\mu\text{g}/\text{kg}$. Five semi-volatile organic compounds (SVOCs) (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, chrysene, and indeno [1,2,3-cd]pyrene) were detected in soil samples RSB-2 and RSB-3, exceeding Unrestricted Use standards. One constituent, benzo[a]pyrene, slightly exceeded the Commercial Use SCOs. Six metals (barium, copper, lead, mercury, nickel, and zinc) were detected in soil samples RSB-2 and/or RSB-3 at concentrations exceeding Unrestricted Use SCOs. One metal, barium at RSB-2, exceeded the Commercial Use SCO.

- No VOCs were detected in three groundwater samples that exceeded the TOGS AWQSL standards.
- Twenty-eight different VOCs were detected in the Soil vapor and/or ambient air samples collected as part of the SI. Two VOCs, PCE and trichloroethene (TCE, a degradation byproduct of PCE), were detected in the soil vapor sample SV-083013 at concentrations of 12,000 $\mu\text{g}/\text{m}^3$ and 83 $\mu\text{g}/\text{m}^3$, respectively.

3 SUBSURFACE INVESTIGATION ACTIVITIES

The SSI consisted of a field investigation, laboratory analyses, and the preparation of this report, which includes tables summarizing the laboratory analytical results and figures depicting boring/testing locations and significant site features. The SSI was conducted by Impact Environmental from June 28, 2014 to July 18, 2014, and consisted of the following components:

1. Conducted an electromagnetic induction (EMI) survey on the southern portion of the Site to determine subsurface utility locations and investigative borehole locations;
2. Advancement of seven (7) interior borings (SB-PV-1 through SB-PV5, SB-GK1, and SB-GK2) within the Pearle Vision (former dry cleaner unit) and GK Jeans to a depth of approximately 3 to 5 feet bgs or at refusal, if encountered first.
3. Advancement four (4) exterior borings (MW-1, MW-2, MW-4 and MW-5) to a depth of approximately 20 to 41 feet below ground surface (bgs) or at refusal, if encountered first;
4. The collection of one (1) grab sample at separate depths intervals from eleven soil borings to delineate the vertical extent of potential contamination. A total of 16 soil samples were obtained for laboratory analysis of VOCs by USEPA Method 8260. Laboratory analysis performed on soil grab samples consisted of VOCs by USEPA Method 8260.
5. Installation of two (2) semi-permanent, sub-slab soil vapor points within the Pearle Vision and GK Jeans tenant space. An indoor air sample was obtained collected concurrently with the sub-slab vapor samples from each of the above spaces. One ambient outdoor air sample was collected to establish background conditions. The sub-slab soil vapor, indoor air quality, and outdoor air samples were analyzed for the full VOC parameters listed by USEPA Method TO-15. Sub-slab vapor samples were additionally analyzed for helium (tracer gas);
6. Installation of six (6) soil vapor probes at the southwest portion of the Site along Avenue L and off-site at the corner of East 68th Street and Avenue L. Soil vapor samples were analyzed for the full VOC parameters listed by USEPA Method TO-15 plus helium (tracer gas).

7. Installation and sampling of three (3) temporary (shallow, intermediate and deep) groundwater well points (GW-1 [10'-14'], GW-2 [20'-24'], and GW-3 [46'-50']). One round of groundwater samples were collected at separate vertical intervals from each of the three temporary wells that were installed. Groundwater samples were analyzed in accordance with USEPA Method 8260 for VOCs; and,
8. Installation of five (5) permanent groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-5) on the southern portion of the Site to establish groundwater flow and evaluate groundwater quality. One round of groundwater samples were collected from each well, each of which were analyzed in accordance with USEPA Method 8260 for VOCs. Additionally, groundwater levels were gauged, and monitoring wells were surveyed to establish groundwater flow direction.

3.1 Subsurface Soil Sampling

Eleven (11) interior and exterior soil borings were advanced below grade by Impact Environmental at the Site. Collectively, a total of 10 soil samples were obtained from beneath the Pearle Vision and GK Jeans building foundation slab using a Geoprobe® manual slide hammer, and identified as: SB-PV1 (4.5'-5'), SB-PV2 (2'-2.5'), SB-PV2 (4.5'-5'), SB-PV3 (0.5'-1'), SB-PV4 (2.5'-3'), SB-PV4 (4.5'-5'), SB-PV5 (2.5'-3'), SB-PV5 (4.5'-5'), SB-GK1 (1.5'-2'), and SB-GK2 (4.5'-5'). In addition, a total of six (6) soil samples were collected on the exterior portions of the Site using a Geoprobe® direct push track-mounted drill rig. Samples locations were selected proximal to the former dry cleaner location, and identified as: MW-1 (9'-10'), MW-2 (13'-14'), MW-2 (24'-25'), MW-2 (40'-41'), MW-4 (5'-6'), and MW-5 (19'-20'). A **Sample Acquisition Map** is presented in **Figure 3**.

3.1.1 Soil Sample Procedures

Discrete media samples were secured at the desired depths and were contained within a non-reactive transparent plastic sleeve that lined the hollow core. The plastic sleeves were removed for subsequent inspection and sample aliquot acquisition. Continuous soil samples were collected from each of the borings at 5-foot intervals. Upon sample retrieval, the soils were examined for visual evidence (i.e., staining, discoloration) and any olfactory indications (i.e., odors) of contamination as well as screening with a portable photoionization detector (PID) meter. A grab soil sample was collected at a 6-inch

interval from soils exhibiting evidence of contamination (highest PID reading), directly above confining layer(s) or from the bottom 6-inch interval in each boring. **Boring logs** are provided in **Appendix B**.

As previously mentioned, a PID meter was utilized to measure what, if any, hydrocarbon concentrations were present in isolated portions of secured samples. The results of the field analysis of are presented in **Table 1: Field Headspace Analysis Results**.

Table 1: Field Headspace Analysis Results

Sample ID	PID Reading (ppm)
<u>Interior Soil Borings:</u>	
• SB-PV1 (4.5'-5')	5.1
• SB-PV2 (2'-2.5')	8.2
• SB-PV2 (4.5'-5')	1.1
• SB-PV3 (0.5'-1')	10.2
• SB-PV4 (2.5'-3')	1.6
• SB-PV4 (4.5'-5')	1.1
• SB-PV5 (2.5'-3')	28.9
• SB-PV5 (4.5'-5')	4.2
• SB-GK1 (1.5'-2')	0.0
• SB-GK2 (4.5'-5')	1.7
<u>Exterior Soil Borings:</u>	
• MW-1 (9'-10')	1.9
• MW-2 (13'-14')	187
• MW-2 (24'-25')	3.4
• MW-2 (40'-41')	0.5
• MW-4 (5'-6')	110
• MW-5 (19'-20')	154.2

Each piece of sampling or other down hole equipment was decontaminated by wiping clean, washing with Alconox solution, rinsing with deionized water and air drying prior to each use in order to ensure that cross-contamination between sampling locations did not occur. Decontamination procedures were performed in an area segregated from any sampling areas. Following the completion of each boring, the

boreholes were back-filled with drill cuttings, and then sealed with cement grout or asphalt, as appropriate.

Each of the 16 soil samples were collected in pre-cleaned, laboratory supplied glassware, appropriately labeled, stored in a cooler with ice at a maximum of 4° Celsius and submitted for analysis under proper chain of custody procedures to Alpha Analytical Laboratories (Alpha) of Westborough, MA, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11148). Soil samples were analyzed for the presence of VOCs by EPA Method 8260.

3.2 Soil Vapor Sampling

Four (4) semi-permanent, sub-slab vapor sampling points were installed in the interior spaces of the Pearle Vision (SSV-PV1 and SSV-PV2) and GK Jeans (SSV-GK1 and SSV-GK2) by Impact Environmental in order to evaluate underlying soil vapor conditions at the Site. Additionally, an indoor air quality sample was collected in concert with each sub-slab sample within each of the above units and coincident with an upwind, outdoor air sample. The indoor air quality sample locations are identified as IA-PV, IA-GK, and OA-1.

Furthermore, six (6) exterior soil vapor points were installed on the southern portion of the Site, adjacent to the former drycleaner and across Avenue L (off-site). The soil vapor samples locations are identified as SG-1 through SG-6. The sample locations were selected to provide coverage near the rear footprint of the former drycleaner as well as further south, extending into the adjacent residential neighborhood across Avenue L.

A log sheet was maintained for each sample summarizing identification, date and time of sample collection, sampling depth, identity of sampler, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols. The select sampling point locations are shown on Figure 1.

Each of the above soil vapor samples were submitted to Alpha for laboratory analysis of VOCs via Method USEPA TO-15. Additionally, the sub-slab and exterior soil vapor samples were analyzed for helium gas detection.

3.2.1 Semi-Permanent Sub-Slab Sand Air Sampling Sample Procedure

One-to-two-inch-diameter access holes were cut with a coring machine through an approximately seven-inch-thick concrete floor in the interior sampling locations of the Pearl Vision and GK Jeans. The interior soil vapor sampling implants were installed utilizing hand-powered equipment (e.g., hammer drill). Each soil vapor probe consisted of a four-inch-long, stainless-steel rod with one-quarter-inch diameter Teflon-coated tubing, which was placed two-inches below the concrete floor slab. Decontaminated filter pack sand was utilized to fill the annular space to two-inches above the top of the steel rod. The remaining annular space atop the sand pack was filled with bentonite grout to prevent ambient air infiltration. Upon completion of the sampling, the sub-slab sampling implants were removed, and the holes and surfaces were repaired with concrete.

The semi-permanent sub-slab vapor probes were allowed to equilibrate for a minimum of 24 hours prior to sampling. Prior to sampling, each point was purged of a minimum of three tube volumes of soil vapor, and the effluent was evaluated for the presence of VOCs utilizing a PID. The vapors extracted from the four interior sub-slab sampling points exhibited nominal PID responses.

At each subs-slab vapor sampling point, a laboratory-supplied, 2.75-liter vacuum Summa canister was connected to Teflon tubing subsequent to the purging. Sample collection was performed over an 8-hour period at a flow rate of 0.003 liters per minute (LPM), which is less than the maximum flow rate of 0.2 LPM as established in the NYSDOH Final Guidance Document. As a quality assurance/quality control (QA/QC) measure, helium was introduced into a closed/sealed space surrounding the sampling tube as a tracer gas to confirm the integrity of the probe seals to ensure that no air intrusion impacted the soil vapor samples (i.e., no “short circuiting” occurred). The closed/sealed space around the sampling tube was formed utilizing an inverted container placed atop the ground at the point where the tubing exits the subsurface. The Teflon tubing was run through an air-tight fitting installed on the top of the container, and polyethylene tubing was run from the helium supply through another air-tight fitting on the side of the container. **Photographs** of the sampling methodologies are included in **Appendix D**.

In addition to the sub-slab vapor samples, an indoor air sample was collected at each aforementioned unit spaces, and an outdoor ambient air sample was collected utilizing 6-liter, laboratory-supplied

Summa canisters set atop three-foot-tall stand, table tops or other infrastructure over an 8-hour period, concurrent with the indoor sub-slab sampling. The samples were collected to establish indoor air concentrations and background conditions at the Site. The sample elevations were selected in order to represent the air quality within the typical breathing zone (between three-and-five-feet above grade, as required in the NYSDOH Final Guidance Document).

3.2.2 Soil Vapor Sample Procedure

Each soil vapor point implant was installed with a direct-push Geoprobe® machine in accordance with the NYSDOH Final Guidance Document. The soil vapor point implant consisted of 6-inch long, ½ inch diameter, stainless steel screen fitted with dedicated polyethylene tubing. The implant was installed at a depth of 5 feet bgs with inert washed #1 crushed stone backfill material poured into the hole to fully encompass the screen implant and the hole sealed with bentonite and quick dry lock non-VOC quick set cement.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe) of air was purged from the implant using a vacuum pump. After purging, a laboratory supplied pre-cleaned 2.7-liter Summa canister, fitted with a 2-hour flow regulator was attached to the surface tube of each soil vapor implants. As a quality assurance/quality control (QA/QC) measure, helium was introduced into a closed/sealed space surrounding the sampling tube as a tracer gas to confirm the integrity of the probe seals to ensure that no air intrusion impacted the soil vapor samples (i.e., no “short circuiting” occurred). The closed/sealed space around the sampling tube was formed utilizing an inverted container placed atop the ground at the point where the tubing exits the subsurface. The Teflon tubing was run through an air-tight fitting installed on the top of the container, and polyethylene tubing was run from the helium supply through another air-tight fitting on the side of the container. Photographs of the sampling methodologies are included in Appendix D. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field log and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx. 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

3.3 Groundwater Sampling

Three (3) temporary groundwater monitoring well points were installed by Impact Environmental on the southern portion of the Site, immediately behind the Pearle Vision in the sidewalk. Samples were obtained from each well point to vertically profile the extent of potential groundwater contamination associated with the former on-site dry cleaner operations. A single groundwater sample was secured from each of the above wells; one at the soil/groundwater interface at approximately 10-to-14 feet bgs, directly above a transition (confining) layer encountered at 14-to-15 feet bgs, at 20-to-24 feet bgs, and at 46-to-50 feet bgs. The groundwater samples are identified as GW-1 (10'-14'), GW-2 (20'-24'), and GW-3 (46'-50').

In addition, Impact Environmental installed five (5) permanent groundwater monitoring wells at the Site to establish groundwater depth and for the collection of five groundwater samples to evaluate groundwater quality in the vicinity of the former on-site dry cleaner. The groundwater samples are identified as MW-1, MW-2, MW-3, MW-4, and MW-5, which correspond with the well identifier.

Temporary well points and permanent groundwater wells locations are presented in Figure 3.

Each of the eight groundwater samples were collected in pre-cleaned, laboratory supplied glassware, appropriately labeled, stored in a cooler with ice at a maximum of 4° Celsius and submitted for analysis under proper chain of custody procedures to Alpha. Groundwater samples were analyzed for the presence of VOCs by USEPA Method 8260.

3.3.1 Temporary Groundwater Well Point Sample Procedure

The groundwater sampling system used for temporary well point installation was the Geoprobe® Screen Point 15, which is designed to accurately collect grab samples of groundwater. The Screen Point 15 uses a screen with a standard slot size of 0.004 inches that is sealed inside a 1.5-inch ID alloy steel sheath as it is driven to target depth. The screen is sealed inside the sheath with Neoprene O-rings that prevent infiltration of formation fluids until the desired depth is attained. When the screen has been driven to the depth of interest in the formation, extension rods are used to hold the screen in position as the driving rods are retracted approximately four feet. The four-foot long sampler sheath forms a seal above the screen as it is retracted. A total of 41.5 inches of slotted screen is placed into contact with the

formation. The Screen Point 15 groundwater sampler has a total boring diameter of 1.5 inches, the outside diameter of the screen is 1.0 inch. This provides for a maximum of 0.25 inches between the screen and the natural formation as the sampler sheath is retracted. These conditions approach the ideal for natural formation development, which can be conducted when lower turbidity samples are required. Upon sample completion, each temporary well point borehole was abandoned by pressure grouting through the probe rod during sampler retrieval in accordance with NYSDEC's *Groundwater Monitoring Well Decommissioning Procedures*, dated August 2009, an addendum to the *Commissioner's Policy CP-43: Groundwater Monitoring Well Decommissioning Policy*, issued November 3, 2009.

Each groundwater sample was collected from the sampler utilizing 3/8 inch diameter disposable tubing equipped with a bottom check valve. The tubing extended from the surface down to the sampler. The tubing was oscillated until the process had achieved proper development. The groundwater was then containerized into the appropriate sample vessels for subsequent VOC laboratory analyses.

3.3.2 *Permanent Groundwater Monitoring Well Sample Procedure*

Five (5) two-inch monitoring wells (MW-1, MW-2, MW-3, MW-4 and MW-5) were installed to a depth of approximately 23 feet bgs at the Site (see Figure 3 for monitoring well locations). The wells were installed using a Geoprobe® mounted vehicle system. The system used 2.125 inch diameter hollow probe rods which were driven to the desired depth. Pre-packed well screens which are available in three foot lengths were fitted together to obtain the required screened interval (10 feet). The screen sections were then lowered within the probe rods and riser pipe was added to grade. The disposable drive point at the base of the probe rods is forged with a snap lock mechanism. When the screened section applies pressure to the drive point the pre-packed screen is locked into place. The probes were retracted and sand was backfilled to a point approximately one foot above the screened section. The sand pack was topped with a bentonite seal and the remainder of the monitoring well was backfilled with cement and a monitoring well cover was installed.

Each Geoprobe® well was developed by pumping out a minimum of three (3) static well volumes utilizing a peristaltic pump. Water generated in the field in large quantity (well development) was collected in mobile 55-gallon steel drums and transported to the secure field operations area for temporary storage. A static well volume is defined as:

$$\text{Static well volume} = \text{height of water column} \times (\text{well radius})^2 \times \pi \times 7.48$$

where 7.48 is the conversion factor for cubic feet to gallons

Grab groundwater samples were collected for VOCs using a dedicated bailer, subsequent to which groundwater was containerized in three (3) 40 milliliter amber vials containing hydrochloric acid (preservative) for subsequent VOC laboratory analyses.

4 ENVIRONMENTAL EVALUATION

4.1 Stratigraphy

In general, subsurface soil at the Site consisted of historic fill from grade to approximately 10 feet bgs, which was primarily comprised of concrete fragments, crushed brick, glass, ceramics, plastic fragments, nails/screws, and trace coal in a brown to dark-brown silty to medium coarse sand matrix. Dark brown to black saturated loamy soil with minor wood fragments were observed at MW-1, MW-2, MW-3, MW-4 and MW-5 between 10-to-15 feet bgs, with slight chemical/petroleum odors evident. Saturated brown to dark brown fine-coarse sands with some fine gravel were observed continuously at lower depths ranging from 15-to-50 feet bgs. Boring logs are provided in Appendix B.

4.2 Hydrogeology

Groundwater levels were collected using an interface probe capable of identifying non-aqueous phase liquid (NAPL) from each well prior to purging and sampling. Both, Light and Dense NAPL (LNAPL/DNAPL) was not observed in either of the five wells sampled during this SSI. Groundwater level data was recorded on groundwater sampling field sheet that are provided in **Appendix C**. The average depth to groundwater is approximately 8.5 feet bgs, and range in depth from 7.56 feet to 10.41 feet. Based on regional groundwater flow direction, site-specific groundwater is expected to flow from northwest to southeast.

4.3 Soil Laboratory Analytical Results

Several VOCs were detected in all 16 of the grab samples collected at the Site. Soil sample results were compared to NYSDEC Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs) as presented in NYSDEC Part 375-6. PCE was detected below Unrestricted Use SCOs within soil samples at concentrations ranging from 0.88 µg/kg to 52 µg/kg in SB-PV1 (4.5'-5'), SB-PV2 (2'-2.5'), SB-PV2 (4.5'-5'), SB-PV3 (0.5'-1'), SB-PV4 (2.5'-3'), SB-PV4 (4.5'-5'), SB-PV5 (2.5'-3'), SB-PV5 (4.5'-5'), SB-GK1 (1.5'-2') and SB-GK2 (4.5'-5').

Acetone was detected at concentrations above the Unrestricted Use SCO in sample SB-PV3 (0.5'-1') and SB-GK2 (4.5'-5') at 54 µg/kg and 53 µg/kg, respectively. All other samples were below the applicable standards. Acetone can be reported in soil if they contain humic (organic) materials that may react with

methanol (lab additive) to form acetone, as well as that it is also a common laboratory cross contaminant. As such, acetone detections are most likely not representative of subsurface conditions. Detections of benzene at 540 µg/kg, naphthalene at 13,000 µg/kg, and total xylenes at 340 µg/kg were present in soil sample MW-5 (19'-20') above the Unrestricted Use SCOs. Additionally, naphthalene was detected above the Unrestricted Use SCOs in sample MW-2 (13'-14') at 26,000 µg/kg.

Other VOCs were detected at trace levels below Unrestricted Use SCOs. No partial degradation byproducts of PCE were detected in soil samples collected during this investigation.

A summary table of data for chemical analysis performed on soil samples is included in **Table 1**. A copy of the laboratory report is provided in **Appendix E**.

4.4 Soil Vapor Laboratory Analytical Results

Sub-slab vapor samples collected during this SSI were compared to the compounds listed in Table 3.1 Air Guideline Values derived by the NYSDOH and Soil Vapor/Indoor Air Matrices, located in the NYSDOH Final Guidance Document. PCE was detected in all four sub-slab soil vapor samples, identified as SSV-PV1, SSV-PV2, SSV-GK1 and SSV-GK2, at levels ranging from 271 µg/m³ to 2,010 µg/m³. PCE was also detected in the two corresponding indoor air samples IA-PV at 123 µg/m³ and IA-GK at 54.4 µg/m³ in exceedance of the NYSDOH air guideline values. Additionally, low-levels of TCE was also detected in SSV-PV1, SSV-PV2, SSV-GK1 and SSV-GK2 at levels ranging from 1.81 µg/m³ to 13.3 µg/m³. No other partial degradation byproducts of PCE were detected in soil vapor samples, albeit a number of other VOCs were detected in the indoor and outdoor air samples collected from both tenant spaces, however no applicable guidelines values exist for such vapor constituents.

Shallow soil vapor samples collected at on- and off-site locations during this SSI detected concentrations of PCE ranging from 102 µg/m³ to 12,100 µg/m³ in SG-1, SG-2, SG-3, SG-4, SG-5, and SG-6. Low-levels of TCE were also detected in samples SG-1, SG-2, SG-4 and SG-5 at concentrations ranging from 2.47 µg/m³ to 110 µg/m³. Additionally, cis-1,2-Dichloroethene was nominally detected in SG-2 at 2.53 µg/m³. Other than TCE and cis-1,2-Dichloroethene, no other partial degradation byproducts of PCE were detected in soil vapor samples, albeit a number of other VOCs were detected within the investigation area.

A summary table of data for chemical analysis performed on the soil vapor sample is included in **Table 2**. A copy of the laboratory report is provided in Appendix E.

4.5 Groundwater Laboratory Analytical Results

Groundwater samples collected during this SSI were compared to NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Limitations (AWQSL). Several VOCs were detected in all eight of the grab samples collected at the Site. The groundwater data collected at permanent groundwater monitoring wells and from temporary well points is discussed separately below:

Permanent Groundwater Monitoring Well Sample Results

PCE was detected at a concentration of 6 micrograms per liter ($\mu\text{g/L}$) at groundwater monitoring well MW-2. The PCE concentration exceeds the TOGS AWQSL limit of 5 $\mu\text{g/L}$. Nominal concentrations of cis-1,2-Dichloroethene at 0.72 $\mu\text{g/L}$ and TCE at 0.58 $\mu\text{g/L}$ were also detected at MW-2, albeit at concentrations less than the TOGS AWQSL limits. Additionally, naphthalene was detected at a concentration of 62 $\mu\text{g/L}$ at MW-2, which exceeds the applicable TOGS AWQSL limitations of 10 $\mu\text{g/L}$.

Trace levels of PCE were also detected at groundwater monitoring wells MW-3, MW-4, and MW-5 but at concentrations less than the TOGS AWQSL limits. With the exception of cis-1,2-Dichloroethene at MW-2, no other partial degradation byproducts of PCE were detected in groundwater well samples.

Detections of benzene at 4.3 $\mu\text{g/L}$ and naphthalene at 15 $\mu\text{g/L}$ were present in groundwater collected from MW-5. The above concentrations exceed the TOGS AWQSL limitations of 1 $\mu\text{g/L}$ and 10 $\mu\text{g/L}$ for benzene and naphthalene, respectively.

Chloroform was detected at 36 $\mu\text{g/L}$ at MW-1. This concentration exceeds the corresponding TOGS AWQSL limitation of 7 $\mu\text{g/L}$.

Temporary Groundwater Well Point Sample Results (Rear of Former Dry Cleaner Unit)

PCE was detected at a concentration of 2.4 $\mu\text{g/L}$ in the shallow groundwater grab sample GW-1 (10'-14'). This concentration is below the TOGS AWQSL limitation of 5 $\mu\text{g/L}$ for PCE. Furthermore, cis-1,2-

Dichloroethene and vinyl chloride were detected at 1.5 µg/L and 1.1 µg/L, respectively. Both of the above constituents are below the TOGS AWQSL limits.

Trace levels of PCE were detected at a concentration of 0.46 µg/L and 0.49 µg/L in the intermediate and deep groundwater grab samples GW-2 (20'-24') and GW-3 (46'-50'), respectively. These concentrations are below the TOGS AWQSL limitation for PCE. No other partial degradation byproducts of PCE were detected in temporary groundwater point grab samples.

Detections of acetone were present in all three groundwater grab samples at concentrations well below the applicable TOGS AWQSL limit of 50 µg/L.

A summary table of data for chemical analysis performed on the soil vapor sample is included in **Table 3**. A copy of the laboratory report is provided in Appendix E.

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Subsurface Soil

Ten (10) shallow subsurface soil samples were collected from seven locations beneath the Pearle Vision and GK Jeans units. Six (6) additional subsurface soil samples were collected from soil borings installed on exterior areas proximal to the Pearle Vision. Analytical results reported PCE concentrations ranging from 0.88 µg/kg to 52 µg/kg below the Unrestricted Use SCOs in all ten shallow subsurface soil samples collected beneath the Pearle Vision and GK Jeans. Additionally, PCE was detected in two soil boring samples, identified as MW-2 (13'-14') and MW-4 (5'-6'), at levels well below the Unrestricted Use SCOs. No other chlorinated VOCs were detected in the soil samples collected as part of the SSI.

Elevated concentrations of petroleum constituents, including naphthalene (13,000 µg/kg), benzene (540 µg/kg), and total xylenes (340 µg/kg), were detected above the Unrestricted Use SCOs in soil boring sample MW-5 (19'-20'). Naphthalene was also detected in soil boring sample MW-2 (13'-14') at 26,000 µg/kg. Both samples were collected within the saturated zone from 13 to 20 feet bgs. Based upon the subsurface soil results, no significant source of contamination was discovered, and as such, subsurface soil is not expected to pose an immediate or potential exposure risk to human health or the environment at this time. However, if shallow soils underlying the area of, or adjacent to, the former dry cleaner are planned for excavation during building renovation or construction activities, it is recommended that the soils be characterized to identify material handling requirements and/or waste disposal requirements, and be managed with federal, state and local regulations.

5.2 Soil Vapor Intrusion

Chlorinated VOCs have been identified within shallow soil vapor at areas underlying the Pearle Vision and GK Jeans, as well as the surrounding areas (on- and off-site) situated to the southeast of the former dry cleaner. Indoor air samples IA-PV (123 µg/m³) and IA-GK (54.4 µg/m³) detected PCE above the NYSDOH Indoor Air Guideline Value of 30 µg/m³. All four sub-slab vapor samples (SSV-PV1, SSV-PV2, SSV-GK1, and SSV-GK2) detected elevated levels of PCE ranging from 271 µg/m³ to 2,010 µg/m³. Additionally, trace levels of TCE were present in indoor air samples, albeit below its NYSDOH Air Guideline Value. TCE was also detected at low to moderate levels ranging from 2.02 µg/m³ to 13.3 µg/m³ in all four of the above sub-slab vapor samples. The source of the chlorinated VOCs (PCE and TCE) is likely attributed to historic dry cleaner operations conducted previously at the current Pearle

Vision unit space. In accordance with the NYSDOH Final Guidance Document Soil Vapor/Indoor Air Matrices, mitigation is required to effectively eliminate or restrict current or potential exposures associated with soil vapor intrusion in the interior portions of the Pearle Vision and GK Jeans based on the relationship between sub-slab vapor and indoor air sampling results. It should be noted that no standards currently exist in New York State for soil vapor. Furthermore, soil vapor samples collected along the sidewalk at the rear of the current on-site building, proximal to the Pearle Vision, as well as across Avenue L (off-site) detected PCE at concentrations ranging from 22.6 $\mu\text{g}/\text{m}^3$ to 12,100 $\mu\text{g}/\text{m}^3$. TCE was also present in soil vapor samples at concentrations ranging from 2.47 $\mu\text{g}/\text{m}^3$ to 110 $\mu\text{g}/\text{m}^3$. Based upon the soil vapor intrusion assessment, Impact Environmental recommends that building renovations be completed to seal preferential pathways and incorporate soil vapor barriers in conjunction with a sub-slab depressurization system(s) at the Pearle Vision and GK Jeans tenant spaces. Moreover, further soil vapor intrusion monitoring should be conducted to further delineate the extent of potential vapor migration within other tenant spaces at the Site and on the surrounding areas prior to determining the proper corrective measures.

5.3 Groundwater

Five (5) permanent groundwater monitoring wells and three temporary well points were installed on the southern exterior portions of the Site, proximate to the Pearle Vision and GK Jeans. Analytical results revealed slightly elevated concentrations of PCE at 6 $\mu\text{g}/\text{L}$ in monitoring well MW-2, located at the rear of the Pearle Vision, above its applicable TOGS AWQSL standard of 5 $\mu\text{g}/\text{L}$. Trace levels of TCE and cis-1,2-Dichloroethene were also detected in the groundwater sample collected at monitoring well MW-2, albeit below their respective TOGS AWQSL values. Additionally, PCE was found below the TOGS AWQSL standard in groundwater samples collected from monitoring wells MW-3 and MW-4, and at temporary well points GW-1 (10'-14') and GW-2 (20'-24') and GW-3 (46'-50'). TCE, cis-1,2-Dichloroethene and vinyl chloride, were also detected in the groundwater samples collected from temporary well point GW-1 (10'-14') at levels below their respective TOGS AWQSL standards.

Two petroleum constituents, including naphthalene (15 $\mu\text{g}/\text{L}$) and benzene (4.3 $\mu\text{g}/\text{L}$), were detected at concentrations above their respective TOGS AWQSL limits of 10 $\mu\text{g}/\text{L}$ and 1 $\mu\text{g}/\text{L}$, respectively, in a groundwater sample collected from monitoring well MW-5, located in front of the Pearl Vision. Naphthalene was also present in the groundwater sample collected from monitoring well MW-2 at a

concentrations above its TOGS AWQSL limit. Additionally, chloroform (36 µg/L) was found at a concentration above its TOGS AWQSL value of 7 µg/L in the groundwater sample collected from MW-1.

The groundwater assessment determined that chlorinated VOCs, including PCE and its degradation byproduct TCE, cis-1-2-Dichloroethene, and vinyl chloride, were found at low-levels in the vicinity of the former dry cleaner. Chlorinated VOCs are likely attributable to former on-site dry cleaning operations, whereas the presence of petroleum-related VOCs (benzene, naphthalene, and xylenes) is presumably associated with historic fill underlying the Site. Due to the relatively low concentrations of VOCs observed, remediation will not likely be required. However, it is recommended that a second round of groundwater sampling be performed of the existing monitoring wells to further evaluate chlorinated VOCs.

The results of this SSI show that soil contamination at the Site warrants further evaluation for vapor intrusion/migration pathways in addition to a building-specific vapor mitigation system. In order to properly determine the corrective actions necessary to address the above matters, this SSI report should be submitted to the NYSDEC to ensure that any proposed corrective actions will fulfill state requirements.

**IMPACT ENVIRONMENTAL
CLOSURES, INC.**



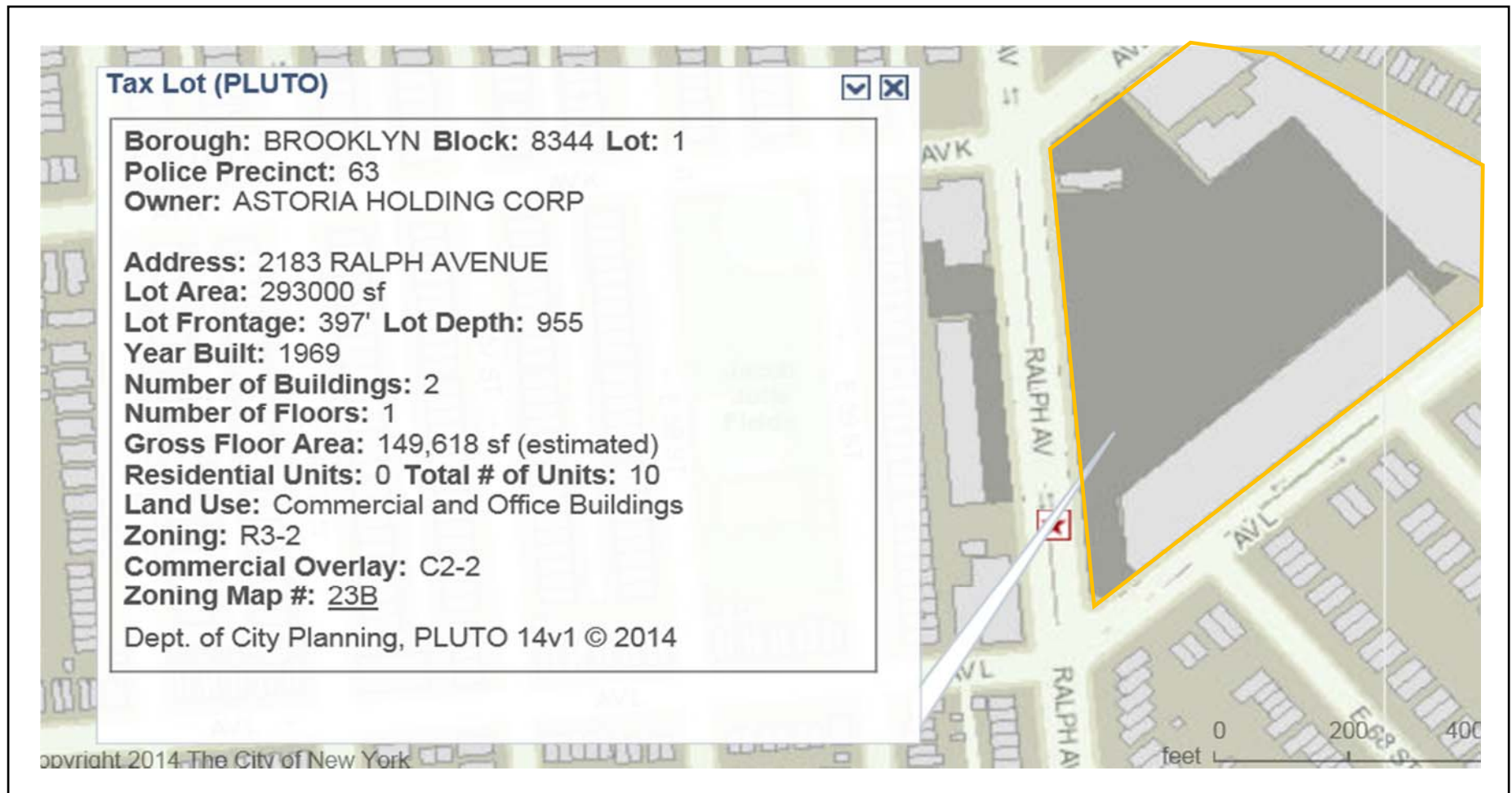
Kevin Kleaka, *Environmental Professional*
Vice President, Sr. Environmental Scientist



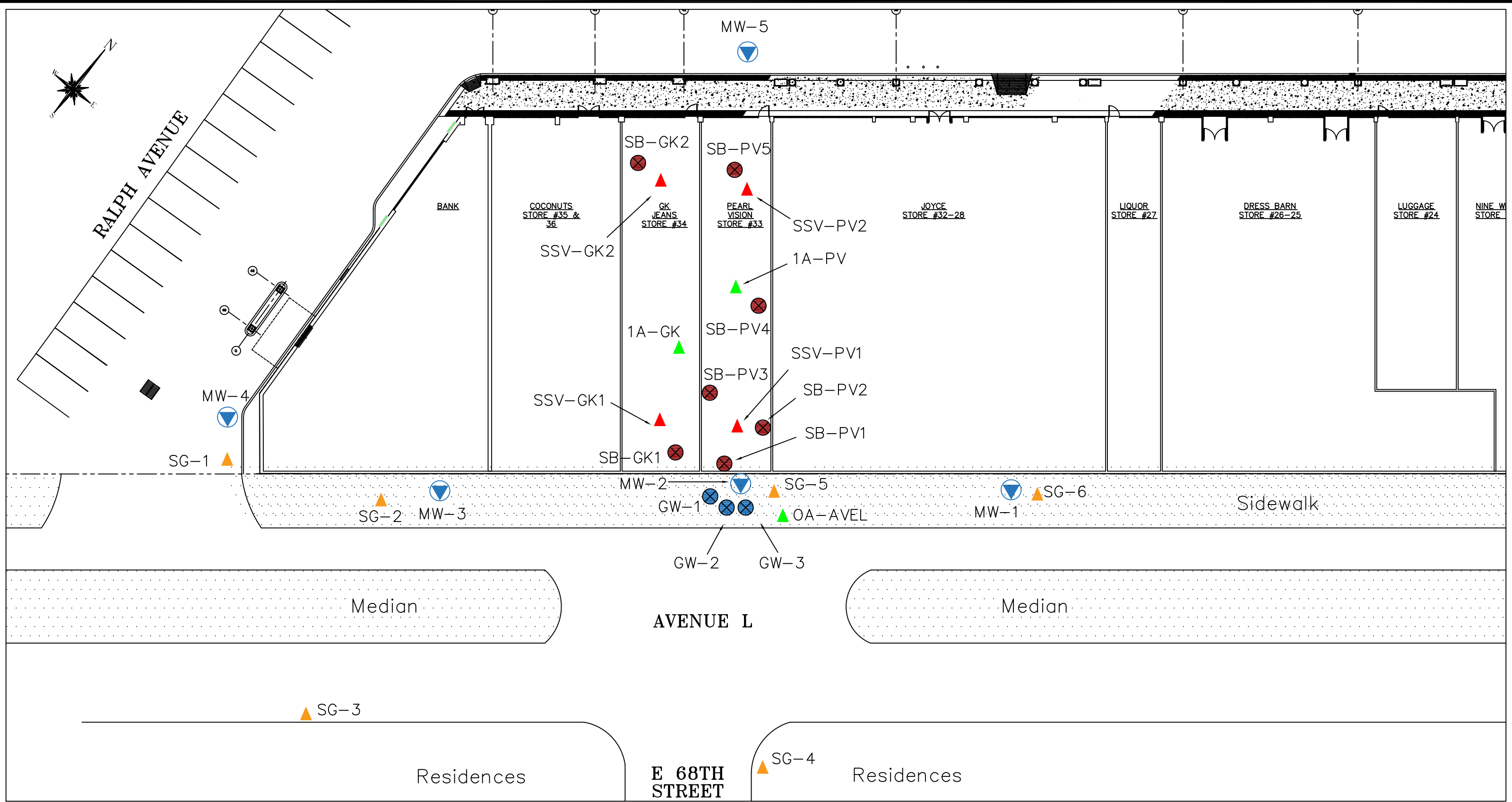
Greg Mendez-Chicas, *Environmental Professional*
Project Manager

FIGURES





Site Boundary Map



TABLES

Table 1 - Interior Sub-Slab Soil Analysis Summary
2181-2195 Ralph Avenue, Brooklyn, NY
Georgetown SHopping Plaza

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use Soil Cleanup Objectives (SCOs)	NYCRR 375 Residential Soil Cleanup Objectives (SCOs)	NYCRR 375 Restricted- Residential Use Soil Cleanup Objectives (SCOs)	NYCRR 375 Restricted- Commercial Soil Cleanup Objectives (SCOs)	SB-PV1 (4.5-5')	SB-PV2 (2- 2.5')	SB-PV2 (4.5-5')	SB-PV3 (0.5-1')	SB-PV4 (2.5-3')	SB-PV4 (4.5-5')	SB-PV5 (2.5-3')	SB-PV5 (4.5-5')	SB-GK1 (1.5-2')	SB-GK2 (4.5-5')
							7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
71-55-6	1,1,1-Trichloroethane	VOC	680	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	270	19,000	26,000	240,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	330	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600	47,000	52,000	190,000	ND	ND	1 J	ND	0.9 J	ND	ND	0.94 J	ND	ND
95-50-1	1,2-Dichlorobenzene	VOC	1,100	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	20c	2,300	3,100	30,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400	47,000	52,000	190,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	VOC	2,400	17,000	49,000	280,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	1,800	9,800	13,000	130,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	100b	9,800	13,000	130,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78-93-3	2-Butanone	VOC	120	100,000a	100,000a	500,000b	2.1 J	5.6 J	ND	4 J	ND	2.2 J	ND	ND	ND	4.4 J
67-64-1	Acetone	VOC	50	100,000a	100,000b	500,000b	17	41	15	54	3.5 J	27	15	23	31	53
71-43-2	Benzene	VOC	60	2,900	4,800	44,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56-23-5	Carbon Tetrachloride	VOC	760	1,400	2,400	22,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	VOC	1,100	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	VOC	370	10,000	49,000	350,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	250	59,000	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	VOC	1,000	30,000	41,000	390,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene Chloride	VOC	50	51,000	100,000a	500,000b	4.9 J	4.8 J	4.3 J	2.8 J	2.2 J	3.3 J	2.5 J	3.4 J	4 J	3.7 J
1634-04-4	Methyl Tert-Butyl Ether	VOC	930	62,000	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104-51-8	n-Butylbenzene	VOC	12,000	100,000a	100,000a	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	3,900	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
135-98-8	sec-Butylbenzene	VOC	11,000	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5,900	100,000a	100,000a	500000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	VOC	1,300	5,500	19,000	150,000	52	41	23	0.88 J	47	25	3.4	2	53	0.97 J
108-88-3	Toluene	VOC	700	100,000a	100,000a	500,000b	ND	ND	0.77 J	ND	ND	ND	ND	0.83 J	0.61 J	ND
1330-20-7	Total Xylenes	VOC	260	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	VOC	190	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	VOC	470	10,000	21,000	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl Chloride	VOC	20	210	900	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
- Shaded/Underlined cells indicate an exceedance of both Unrestricted Use and Restricted Residential Use Criteria
- J = Estimated value. The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
ug/kg = micrograms per kilogram (ppb)

Table 2 - Exterior Subsurface Soil Analysis Summary

2181-2195 Ralph Avenue, Brooklyn, NY

Georgetown Shopping Plaza

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use Soil Cleanup Objectives (SCOs)	NYCRR 375 Residential Soil Cleanup Objectives (SCOs)	NYCRR 375 Restricted- Residential Use Soil Cleanup Objectives (SCOs)	NYCRR 375 Restricted- Commercial Soil Cleanup Objectives (SCOs)						
							MW-2 (13-14')	MW-2 (24-25')	MW-2 (40-41')	MW-1 (9-10')	MW-4 (5-6')	MW-5 (19-20')
							7/9/2014	7/9/2014	7/9/2014	7/14/2014	7/14/2014	7/14/2014
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
71-55-6	1,1,1-Trichloroethane	VOC	680	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	270	19,000	26,000	240,000	ND	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	330	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600	47,000	52,000	190,000	ND	ND	ND	0.94 J	ND	180
95-50-1	1,2-Dichlorobenzene	VOC	1,100	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	20c	2,300	3,100	30,000	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400	47,000	52,000	190,000	ND	ND	ND	ND	ND	43
541-73-1	1,3-Dichlorobenzene	VOC	2,400	17,000	49,000	280,000	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	1,800	9,800	13,000	130,000	ND	ND	ND	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	100b	9,800	13,000	130,000	ND	ND	ND	ND	ND	ND
78-93-3	2-Butanone	VOC	120	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND
67-64-1	Acetone	VOC	50	100,000a	100,000b	500,000b	ND	3 J	ND	14	ND	35
71-43-2	Benzene	VOC	60	2,900	4,800	44,000	ND	ND	ND	ND	ND	540
56-23-5	Carbon Tetrachloride	VOC	760	1,400	2,400	22,000	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	VOC	1,100	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	VOC	370	10,000	49,000	350,000	ND	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	250	59,000	100,000a	500,000b	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	VOC	1,000	30,000	41,000	390,000	ND	ND	ND	ND	ND	480
75-09-2	Methylene Chloride	VOC	50	51,000	100,000a	500,000b	ND	ND	ND	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	VOC	930	62,000	100,000a	500,000b	ND	ND	ND	ND	ND	ND
104-51-8	n-Butylbenzene	VOC	12,000	100,000a	100,000a	500,000	ND	ND	ND	ND	ND	2.2 J
103-65-1	n-Propylbenzene	VOC	3,900	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	13
135-98-8	sec-Butylbenzene	VOC	11,000	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5,900	100,000a	100,000a	500000b	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	VOC	1,300	5,500	19,000	150,000	160 J	ND	ND	ND	0.76 J	ND
108-88-3	Toluene	VOC	700	100,000a	100,000a	500,000b	120 J	ND	ND	ND	ND	24
1330-20-7	Total Xylenes	VOC	260	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	340
156-60-5	trans-1,2-Dichloroethene	VOC	190	100,000a	100,000a	500,000b	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	VOC	470	10,000	21,000	200,000	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl Chloride	VOC	20	210	900	13,000	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	VOC	12,000	100,000a	100,000a	500,000b	26,000	ND	ND	ND	0.96 J	13,000

Notes:

- Shaded/Underlined cells indicate an exceedance of both Unrestricted Use and Restricted Residential Use Criteria

- J = Estimated value. The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).

ug/kg = micrograms per kilogram (ppb)

mg/kg = milligrams per kilogram (ppm)

Table 3 - Groundwater Monitoring Well Analysis Summary
2181-2195 Ralph Avenue, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standards	MW-1	MW-2	MW-3	MW-4	MW-5
				7/7/2014	7/17/2014	7/17/2014	7/17/2014	7/17/2014
	Sample ID	Unit	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane (TCA)	VOC	5	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	VOC	5	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	VOC	1	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	5	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	5	ND	ND	ND	ND	ND
96-18-4	1,2,3-Trichloropropane	VOC	0.04	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	5	ND	ND	ND	ND	1.1 J
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	0.04	ND	ND	ND	ND	ND
106-93-4	1,2-Dibromoethane	VOC	0.0006	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	VOC	3	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	0.6	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	VOC	1	ND	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	5	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	VOC	3	ND	ND	ND	ND	ND
142-28-9	1,3-Dichloropropane	VOC	5	ND	ND	ND	ND	ND
542-75-6	1,3-Dichloropropene(cis and trans)	VOC	0.4	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	3	ND	ND	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	NS	ND	ND	ND	ND	ND
110-57-6	trans-1,4-Dichloro-2-butene	VOC	5	ND	ND	ND	ND	ND
78-93-3	2-Butanone	VOC	50	ND	ND	ND	ND	ND
95-49-8	2-Chlorotoluene	VOC	5	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-Pentanone	VOC	ND	ND	ND	ND	ND	ND
67-64-1	Acetone	VOC	50	2.6 J	7.3	4 J	2.3 J	1.4 J
107-13-1	Acrylonitrile	VOC	5	ND	ND	ND	ND	ND
71-43-2	Benzene	VOC	1	ND	ND	0.37 J	ND	4.3
74-97-5	Bromochloromethane	VOC	5	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	VOC	50	3.1	ND	ND	ND	ND
75-25-2	Bromoform	VOC	50	ND	ND	ND	ND	ND
74-83-9	Bromomethane	VOC	5	ND	ND	ND	ND	ND
75-15-0	Carbon Disulfide	VOC	NA	ND	ND	ND	ND	ND
56-23-5	Carbon Tetrachloride	VOC	5	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	VOC	5	ND	ND	ND	ND	1.1
124-48-1	Chlorodibromomethane	VOC	50	ND	ND	ND	ND	ND
75-00-3	Chloroethane	VOC	5	ND	ND	ND	ND	ND
67-66-3	Chloroform	VOC	7	36	ND	ND	0.77 J	ND
74-87-3	Chloromethane	VOC	5	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	5	ND	0.72 J	ND	ND	ND
74-95-3	Dibromomethane	VOC	5	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoromethane	VOC	5	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	VOC	5	ND	ND	ND	ND	2.6
98-82-8	Isopropylbenzene	VOC	5	ND	ND	ND	ND	0.77 J
75-09-2	Methylene Chloride	VOC	5	ND	ND	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	VOC	10	ND	ND	ND	ND	ND
91-20-3	Naphthalene	VOC	10	ND	62	5	0.75 J	15
104-51-8	n-Butylbenzene	VOC	5	ND	ND	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	5	ND	ND	ND	ND	ND
99-87-6	p-Isopropyltoluene	VOC	5	ND	4.5	ND	ND	ND
135-98-8	sec-Butylbenzene	VOC	5	ND	ND	ND	ND	ND
100-42-5	Styrene	VOC	5	ND	ND	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	VOC	5	ND	6	0.32 J	0.85	ND
108-88-3	Toluene	VOC	5	ND	0.74 J	ND	ND	0.93
95-47-6	o Xylene	VOC	5	ND	ND	ND	ND	1.2 J
	m,p Xylene	VOC	5	ND	ND	ND	ND	1.1 J
1330-20-7	Total Xylenes	VOC	NA	ND	ND	ND	ND	2.3 J
156-60-5	trans-1,2-Dichloroethene	VOC	5	ND	ND	ND	ND	ND
79-01-6	Trichloroethene (TCE)	VOC	5	ND	0.58	ND	ND	ND
75-69-4	Trichlorofluoromethane	VOC	5	ND	ND	ND	ND	ND
108-05-4	Vinyl Acetate	VOC	NA	ND	ND	ND	ND	ND
75-01-4	Vinyl Chloride	VOC	2	ND	ND	ND	ND	ND
	Total BTEX	-	NA	ND	0.74	0.37	ND	10.13
	Total VOCs	-	NA	41.7	81.84	9.69	4.67	31.8

Note(s):

- Shaded/Bolded values indicate an exceedance of NYSDEC TOGS 1.1.1 Groundwater Quality Standards

J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)

ug/L = micrograms per liter

Table 4 - Multi-Level Groundwater Sample Analysis Summary

2181-2195 Ralph Avenue, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standards	GW-1 (10-14')	GW-2 (20-24')	GW-3 (46-50')
				7/8/2014	7/8/2014	7/8/2014
	Sample ID	Unit	ug/L	ug/L	ug/L	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	ND	ND	ND
71-55-6	1,1,1-Trichloroethane (TCA)	VOC	5	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	VOC	5	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	VOC	1	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	5	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	5	ND	ND	ND
96-18-4	1,2,3-Trichloropropane	VOC	0.04	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	5	ND	ND	ND
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	0.04	ND	ND	ND
106-93-4	1,2-Dibromoethane	VOC	0.0006	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	VOC	3	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	0.6	ND	ND	ND
78-87-5	1,2-Dichloropropane	VOC	1	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	5	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	VOC	3	ND	ND	ND
142-28-9	1,3-Dichloropropane	VOC	5	ND	ND	ND
542-75-6	1,3-Dichloropropene(cis and trans)	VOC	0.4	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	3	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	NS	ND	ND	ND
110-57-6	trans-1,4-Dichloro-2-butene	VOC	5	ND	ND	ND
78-93-3	2-Butanone	VOC	50	ND	ND	ND
95-49-8	2-Chlorotoluene	VOC	5	ND	ND	ND
108-10-1	4-Methyl-2-Pentanone	VOC	ND	ND	ND	ND
67-64-1	Acetone	VOC	50	3.6 J	2.1 J	2.1 J
107-13-1	Acrylonitrile	VOC	5	ND	ND	ND
71-43-2	Benzene	VOC	1	ND	ND	ND
74-97-5	Bromochloromethane	VOC		ND	ND	ND
75-27-4	Bromodichloromethane	VOC	50	ND	ND	ND
75-25-2	Bromoform	VOC	50	ND	ND	ND
74-83-9	Bromomethane	VOC	5	ND	ND	ND
75-15-0	Carbon Disulfide	VOC	NA	ND	ND	ND
56-23-5	Carbon Tetrachloride	VOC	5	ND	ND	ND
108-90-7	Chlorobenzene	VOC	5	ND	ND	ND
124-48-1	Chlorodibromomethane	VOC	50	ND	ND	ND
75-00-3	Chloroethane	VOC	5	ND	ND	ND
67-66-3	Chloroform	VOC	7	ND	ND	ND
74-87-3	Chloromethane	VOC	5	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	5	1.5 J	ND	ND
74-95-3	Dibromomethane	VOC	5	ND	ND	ND
75-71-8	Dichlorodifluoromethane	VOC	5	ND	ND	ND
100-41-4	Ethylbenzene	VOC	5	ND	ND	ND
98-82-8	Isopropylbenzene	VOC	5	1.3 J	ND	ND
75-09-2	Methylene Chloride	VOC	5	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	VOC	10	ND	ND	ND
91-20-3	Naphthalene	VOC	10	ND	ND	34
104-51-8	n-Butylbenzene	VOC	5	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	5	ND	ND	ND
99-87-6	p-Isopropyltoluene	VOC	5	ND	ND	ND
135-98-8	sec-Butylbenzene	VOC	5	ND	ND	ND
100-42-5	Styrene	VOC	5	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	VOC	5	2.4	0.46 J	0.49 J
108-88-3	Toluene	VOC	5	ND	ND	ND
95-47-6	o Xylene	VOC	5	ND	ND	ND
179601-23-1	m,p Xylene	VOC	5	2.0 J	ND	ND
1330-20-7	Total Xylenes	VOC	NA	2.0 J	ND	ND
156-60-5	trans-1,2-Dichloroethene	VOC	5	ND	ND	ND
79-01-6	Trichloroethene (TCE)	VOC	5	1.1	ND	ND
75-69-4	Trichlorofluoromethane	VOC	5	ND	ND	ND
108-05-4	Vinyl Acetate	VOC	NA	ND	ND	ND
75-01-4	Vinyl Chloride	VOC	2	1.1	ND	ND

Note(s):

- Shaded/Bolded values indicate an exceedance of NYSDEC TOGS 1.1.1 Groundwater Quality Standards

J = Estimated value. The Target analyte concentration is below the quantitation limit (RL),

but above the Method Detection Limit (MDL)

ug/L = micrograms per liter

Table 5 - Sub-Slab Soil Vapor / Indoor Air Quality Analysis Summary
2181-2195 Ralph Avenue, Brooklyn, New York

Parameter Name	SSV-PV1	SSV-PV2	IA-PV	SSV-GK1	SSV-GK2	IA-GK	OA-AVE L	NYSDOH Indoor Air Guidelines Values	Soil Vapor / Indoor Air NYSDOH Matrix 1/2
	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014		
Unit	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
Dichlorodifluoromethane	ND	2.16	2.53	2.61	2.61	2.08	2.31	-	-
Chloromethane	ND	1.25	1.52	1.47	2.5	1.49	1.28	-	-
Freon-114	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	-	-
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	-	-
Bromomethane	ND	ND	ND	ND	ND	ND	ND	-	-
Chloroethane	ND	ND	ND	ND	ND	ND	ND	-	-
Ethanol	150	176	786	155	324	499	6.31	-	-
Vinyl bromide	ND	ND	ND	ND	ND	ND	ND	-	-
Acetone	25.7	30.4	75.8	43.2	63.9	55.6	9.05	-	-
Trichlorofluoromethane	ND	3.08	1.76	2.17	2.92	1.83	1.96	-	-
Isopropanol	28.8	38.3	84.8	34.9	126	52.1	ND	-	-
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	-	-
Tertiary butyl Alcohol	ND	ND	1.59	2.29	ND	ND	ND	-	-
Methylene chloride	ND	ND	4.31	ND	ND	8.65	ND	60.0	-
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	-	-
Carbon disulfide	ND	1.8	ND	0.635	ND	ND	ND	-	-
Freon-113	ND	ND	ND	ND	ND	ND	ND	-	-
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	-	-
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	-	-
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	-	-
2-Butanone	3.36	4.78	6.96	5.57	6.13	7.05	ND	-	-
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	-	-
Ethyl Acetate	ND	ND	6.27	3.89	6.7	6.77	ND	-	-
Chloroform	ND	ND	0.996	1.14	ND	ND	ND	-	-
Tetrahydrofuran	3.24	3.89	ND	4.66	4.78	0.755	ND	-	-
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	-	-
n-Hexane	ND	ND	1.07	0.74	0.969	1.19	ND	-	-
1,1,1-Trichloroethane (1,1,1-TCA)	ND	ND	0.115	ND	ND	ND	ND	-	<u>NFA</u> ¹
Benzene	ND	ND	ND	0.661	0.642	0.652	ND	-	-
Carbon tetrachloride	ND	ND	0.66	ND	ND	0.749	0.66	-	<u>NFA</u>

Table 5 - Sub-Slab Soil Vapor / Indoor Air Quality Analysis Summary
2181-2195 Ralph Avenue, Brooklyn, New York

Parameter Name	SSV-PV1	SSV-PV2	IA-PV	SSV-GK1	SSV-GK2	IA-GK	OA-AVE L	NYSDOH Indoor Air Guidelines Values	Soil Vapor / Indoor Air NYSDOH Matrix 1/2
	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014	7/3/2014		
Unit	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
Cyclohexane	ND	ND	2.24	1.24	1.52	1.91	ND	-	-
1,2-Dichloropropane	ND	ND	1.03	0.971	ND	ND	ND	-	-
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	-	-
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	-	-
Trichloroethene	13.3	5.91	0.36	1.81	2.02	0.22	ND	5.0	NFA
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	-	-
Heptane	ND	ND	1.21	0.943	1.05	1.03	ND	-	-
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	-	-
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	-	-
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	-	-
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	-	-
Toluene	21.3	29.7	33.5	25.1	27.7	26.5	ND	-	-
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	-	-
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	-	-
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	-	-
Tetrachloroethene	2,010	936	123	271	294	54.4	0.909	30.0	Mitigate ²
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	-	-
Ethylbenzene	5.82	10.7	8.25	5.3	5.17	3.34	ND	-	-
p/m-Xylene	21.70	37.60	29.30	18.7	17.9	12.1	ND	-	-
Bromoform	ND	ND	ND	ND	ND	ND	ND	-	-
Styrene	ND	2.02	1.78	1.44	1.47	1.45	ND	-	-
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	-	-
o-Xylene	5.78	8.90	6.86	4.78	4.56	3.21	ND	-	-
4-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	-	-
1,2,4-Trimethylbenzene	ND	2.06	1.01	1.72	1.59	ND	ND	-	-
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	-	-
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	-	-
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	-	-
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	-	-
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	-	-
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	-	-
Helium*	ND	ND	-	0.446	ND	-	-	-	-

Notes:

1) No Further Action (NFA) - Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

2) Mitigate - Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

* if concentrations greater than 10 parts per million of tracer gas are observed in a sub-slab sample, the probe seal is considered compromised by ambient air.

ug/m³ = micrograms per cubic meter of air

Table 6 - Exterior Soil Vapor Analysis Summary
2181-2195 Ralph Avenue, Brooklyn, New York

Parameter Name	SG-1	SG-2	SG-3	SG-4	SG-5	SG-6
	7/9/2014	7/9/2014	7/9/2014	7/9/2014	7/9/2014	7/9/2014
Unit	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
Dichlorodifluoromethane	2.38	2.59	1.94	4.35	ND	4.81
Chloromethane	1.77	1.42	0.605	0.663	ND	ND
Freon-114	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND
1,3-Butadiene	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND
Ethanol	18.5	18.8	ND	16.3	ND	ND
Vinyl bromide	ND	ND	ND	ND	ND	ND
Acetone	137	61.8	31.8	62.9	140	44.2
Trichlorofluoromethane	2.76	3.2	3.22	3.15	ND	4.05
Isopropanol	5.09	5.11	2.25	3.39	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
Tertiary butyl Alcohol	40.6	13.2	7.06	14.8	ND	ND
Methylene chloride	ND	ND	ND	5.77	ND	ND
3-Chloropropene	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.46	2.55	5.79	3.77	ND	2.1
Freon-113	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	0.959	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND
2-Butanone	13	8.35	3.04	4.48	ND	ND
cis-1,2-Dichloroethene	ND	2.53	ND	ND	ND	ND
Ethyl Acetate	ND	ND	ND	ND	ND	ND
Chloroform	8.99	16.7	4.81	6.1	ND	913
Tetrahydrofuran	15.5	14.3	5.19	5.72	ND	7.31
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
n-Hexane	5.57	3.59	24.2	7.72	ND	12.4
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Benzene	1.88	2	3.26	3.19	ND	3.9
Carbon tetrachloride	2.05	ND	ND	ND	ND	ND
Cyclohexane	1.26	0.854	1.39	0.905	ND	2.4
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	12.4
1,4-Dioxane	ND	ND	ND	ND	ND	ND

Table 6 - Exterior Soil Vapor Analysis Summary
2181-2195 Ralph Avenue, Brooklyn, New York

Parameter Name	SG-1	SG-2	SG-3	SG-4	SG-5	SG-6
	7/9/2014	7/9/2014	7/9/2014	7/9/2014	7/9/2014	7/9/2014
Unit	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
Trichloroethene	2.47	6.93	ND	36.2	110	ND
2,2,4-Trimethylpentane	1.74	ND	ND	ND	ND	ND
Heptane	4.59	2.19	9.02	3.49	ND	6.35
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	2.19	2	0.984	0.84	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Toluene	14.4	9.57	13	8.22	ND	12.1
2-Hexanone	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND
Tetrachloroethene	140	218	22.6	252	12,100	102
Chlorobenzene	ND	ND	ND	ND	ND	ND
Ethylbenzene	4.07	2.99	4.65	3.57	ND	3.39
p/m-Xylene	18.60	13.20	18.20	18	ND	13.6
Bromoform	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	1.82	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
o-Xylene	6.78	5.34	6.47	6.43	ND	5.13
4-Ethyltoluene	2.29	1.66	1.39	1.84	ND	ND
1,3,5-Trimethylbenzene	2.69	1.98	1.25	1.78	ND	ND
1,2,4-Trimethylbenzene	9.19	7.87	3.95	6.64	ND	4.67
Benzyl chloride	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	1.76	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Helium*	0.925	ND	ND	ND	ND	ND

Notes:

1) New York State currently does not have any standards, criteria or guidance values for concentrations of compounds in soil vapor. Qadditionally, there are currently no databases available of background levels of volatile chemicals in soil vapor.

ug/m3 = micrograms per cubic meter of air

* Helium was introduced and analysis as a tracer gas to verify soil vapor implant integrity during the sample period.

APPENDICES

APPENDIX A

Previous Subsurface Investigation Report

APPENDIX B

Boring Logs

SOIL BORING LOG

Client: Howard Mintz					Boring No.: MW-1		Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800	
Project # : 6980					Sheet 1 of 2			
Site Location: 2181 Ralph Ave, Brooklyn, NY					Date: 7/14/2014			
Drilling Co: Impact Environmental					FORMAT FOR CHARACTERIZATION Ex.1: brown, loose F SILTY-SAND, with some C Gravel Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics			
Method: Georprobe Direct-Push								
Personnel: KP & SM								
Total Depth: 25 ft. Depth to Water: 11 ft.								
depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1					Low	4'	0-0.5': Concrete sidewalk	GW @ 11 ft.
2							0'-5': Dark brown/gray F-C SAND w/ brick, concrete, asphalt, nails/screws (Urban Fill)	
3								
4								
5	2.0				Low	5'		
6								
7								
8							5'-6': Brown/light brown M-C SAND with some pebbles	
9					Moderate			
10	1.9		MW-1 (9-10')				blackish brown silty M-F SAND w/ trace brick	
11					High	5'		
12								
13							Gray/Black silty soil w/ organic materials (wood fragments)	
14								
15	0.1				High	3.5'		
16							Brown/black M-F SAND with some F Gravel	
17								
18	0.1							
19								
20								

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Client:						Boring No.:		Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # :						Sheet 2 of		
Site Location:						Date:		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks	
21					Moderate	4'	Brown/black M-F SAND with some F GRAVEL	END OF BORING	
22									
23									
24	0.1								
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Client: Howard Mintz					Boring No.: MW-2		Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800		
Project # : 6980					Sheet 1 of 3				
Site Location: 2181-2195, 2183B Ralph Ave, Brooklyn, NY					Date: 7/9/2014				
Drilling Co: Impact Environmental					FORMAT FOR CHARACTERIZATION Ex.1: brown, loose F SILTY-SAND, with some C Gravel Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics				
Method: Geoprobe Direct-Push									
Personnel: KP & SM									
Total Depth: 45 ft. Depth to Water: 11 ft.									
depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks	
1	0.0				Low	3.5'	0-0.5': Concrete Sidewalk	Groundwater @ 11' *Slight chemical/ petroleum odor present @11-15'	
2							4		0'-10': Dark brown/gray F-C SAND w/ brick, concrete, asphalt, nails/screws (Urban Fill)
3									
4									
5	0.0								
6	5.7								
7					Moderate		10'-14': Black silty soil w/ organic material (wood fragments)		
8									
9									
10	30.2								
11									
12					High	5'	14'-15': Gray/black silty M-F SAND		
13	187		MW-2 (13-14')						
14									
15									
16	120								
17									
18									
19									
20	23								
								4.25'	15'-16': Brown/Dark brown M-F SAND
							16'-20': Brown/light brown M-C sand.		

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Client: Howard Mintz							Boring No.: MW-2	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 6980							Sheet 2 of 3	
Site Location: Brooklyn, NY							Date: 7/9/2014	
depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
— 21 —					High	5	20'-40': Dark brown M-C SAND	
— 22 —								
— 23 —								
— 24 —								
— 25 —	3.4		MW-2 (24-25')					
— 26 —						3.5		
— 27 —								
— 28 —								
— 29 —								
— 30 —	2.3							
— 31 —					3.5			
— 32 —								
— 33 —								
— 34 —								
— 35 —	0.8							
— 36 —					3			
— 37 —								
— 38 —								
— 39 —								
— 40 —	0.4							
— —								

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

[illegible]

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Client: Howard Mintz	Boring No.: MW-3	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 6980	Sheet 1 of 2	
Site Location: 2181 Ralph Ave, Brooklyn, NY	Date: 7/14/2014	
Drilling Co: Impact Environmental	FORMAT FOR CHARACTERIZATION Ex.1: brown, loose F SILTY-SAND, with some C Gravel Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Method: Geoprobe Direct Push		
Personnel: KP & SM		
Total Depth: 25 ft. Depth to Water: 11 ft.		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1					Low	3.75'	0-0.5': Concrete Sidewalk 0'-6.5': Dark brown/gray F-C SAND w/ brick, concrete, asphalt, nails/screws (Urban Fill)	GW @ 11 ft.
2								
3								
4								
5								
6					Moderate	4'	6'-10': Brown/ Light Brown C-M SAND with some F GRAVEL.	
7								
8								
9								
10								
11					High	5'	10'-14': Black silty soil w/ organic Material (wood fragments)	
12								
13								
14								
15								
16						4.25'		
17								
18								
19								
20								

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Client: Howard Mintz						Boring No.: MW-3		Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800	
Project # : 6980						Sheet 2 of 2			
Site Location: Brooklyn, NY						Date: 7/14/2014			
depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks	
21					Moderate	4.5'	20'-25': Brown/ Dark brown M-F SAND w/ some F GRAVEL	END OF BORING	
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Client: Howard Mintz					Boring No.: MW-4		Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800	
Project #: 6980					Sheet 1 of 2			
Site Location: 2181 Ralph Ave, Brooklyn, NY					Date: 7/14/2014			
Drilling Co: Impact Environmental					FORMAT FOR CHARACTERIZATION Ex.1: brown, loose F SILTY-SAND, with some C Gravel Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics			
Method: Geoprobe Direct Push								
Personnel: KP & SM								
Total Depth: 25 ft. Depth to Water: 11 ft.								
depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1					Low	4'	0-0.5': Asphalt Layer	GW @ 11 ft.
2							0.5'-6.5': Dark brown/gray F-C SAND w/ brick, concrete, asphalt, nails/screws (Urban Fill)	
3	30.2							
4								
5								
6	110		MW-4 (5-6')		Moderate	4.25'	6.5'-10': Brown/ Light Brown C-M SAND with some F GRAVEL.	
7								
8								
9	22.8							
10								
11						4'	10'-13': Black silty soil w/ organic Material (wood fragments)	
12								
13	0.9							
14								
15								
16					High	4.5'	13'-20': Brown/ Dark brown M-F SAND w/ some F GRAVEL	
17								
18								
19	0.4							
20								

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Client: Howard Mintz						Boring No.: MW-4		Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800	
Project # : 6980						Sheet 2 of 2			
Site Location: Brooklyn, NY						Date: 7/14/2014			
depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks	
— 21 —					High	4.25'	20'-25': Brown/ Dark brown M-F SAND w/ some F GRAVEL	END OF BORING	
— 22 —									
— 23 —	0.3								
— 24 —									
— 25 —									
— 26 —									
— 27 —									
— 28 —									
— 29 —									
— 30 —									
— 31 —									
— 32 —									
— 33 —									
— 34 —									
— 35 —									
— 36 —									
— 37 —									
— 38 —									
— 39 —									
— 40 —									

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Howard Mintz						Boring No.: MW-5		Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800	
Project # : 6980						Sheet 1 of 2			
Site Location: 2181 Ralph Ave, Brooklyn, NY						Date: 7/14/2014			
Drilling Co: Impact Environmental						FORMAT FOR CHARACTERIZATION Ex.1: brown, loose F SILTY-SAND, with some C Gravel Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics			
Method: Georporbe Direct Push									
Personnel: KP & SM									
Total Depth: 25 ft. Depth to Water: 12 ft.									
depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification		Remarks
1	0.2				Low	3.75'	0-0.5': Concrete Sidewalk		GW @ 12 ft.
2							0.5-6': Dark brown/gray F-C SAND w/ brick, concrete, asphalt, nails/screws (Urban Fill)		
3	1.0								
4									
5									
6					Moderate	5'	6'-9': Brown/light brown M-C SAND with some F GRAVEL		
7									
8									
9	1.9						9-11': Blackish brown silty M-F blackish brown SAND w/ trace brick		
10									
11					High	5'	11-15': Gray/Black loam with organic material (wood fragments)		
12									
13									
14	18.2						15-20': Brown/black F-M SAND with some F GRAVEL		
15									
16					High	5'			
17									
18									
19									
20	154.2		MW-5 (19-20')						

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Client: Howard Mintz						Boring No.: MW-5		Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800	
Project # : 6980						Sheet 2 of 2			
Site Location: Brooklyn, NY						Date: 7/14/2014			
depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks	
21					Moderate	4.25'	20-25': Brown/black F-M SAND with some F GRAVEL	END OF BORING	
22									
23									
24	127.3								
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

APPENDIX C

Groundwater Sample Field Sheets



IMPACT ENVIRONMENTAL
170 Keyland Court
Bohemia, New York 11716
631.269.8800 telephone
631.269.1599 facsimile
www.impactenvironmental.com

Project #: 6980

Date: 7/17/14

Pg. 1 of 2

Client: Georgetown Shopping Plaza

Staff: gmc/kp

Site:

Task: Groundwater well sampling

Groundwater Purging and Sampling Log

Well Number	Well Head PID (PPM)	Depth To Product	Depth To Water	Product Thickness	Total Depth of Well	Well Diameter	Redox (ORP)	Turbidity	Alkalinity	Mn	Fe	Well Volume	Purge Method & Sampling Device
MW-1		ND	8.01	ND	21.22							2.16	wire pump
Volume	Time	Temp	pH	Cond	Salinity	Diss O2							Notes
1	1115	19.31	7.98	0.195	0.4	5.12	149	101					Slight sheen
2													present in first 5gals
3													
4													Filtered 5gals
5													
MW-2		ND	7.56	ND	21.37	2"						2.26	il
Volume	Time	Temp	pH	Cond	Salinity	Diss O2							Notes
1	1200	18.21	7.23	0.643	0.5	2.38	74	197					No sheen
2													Filtered approx. 7gals
3													
4													
5													
MW-3		ND	7.74	ND	19.41	2"						1.91	il
Volume	Time	Temp	pH	Cond	Salinity	Diss O2							Notes
1	1215	17.74	7.21	0.571	0.3	2.51	-39	441					Slight sheen
2													present in first 5gals
3													
4													Filtered 10gals
5													

Well Volume Calculation: Total Depth of Well - Depth to Water = Water Column Height.

Water Column Height x Well Diameter Multiplier = One Well Volume in Gallons

Diameter	Multiplier	Diameter	Multiplier
1 inch	0.041	3 inch	0.369
2 inch	0.164	4 inch	0.656



IMPACT ENVIRONMENTAL
170 Keyland Court
Bohemia, New York 11716
631.269.8800 telephone
631.269.1599 facsimile
www.impactenvironmental.com

Project #: 6980

Date: 7/17/14

Pg. 2 of 2

Client:

Georgetown Shipping Plaza

Staff:

gmc/kp

Site:

2181 - 2195 Ralph Ave., Brooklyn, NY

Task:

Groundwater sampling event

Groundwater Purging and Sampling Log

Well Number	Well Head PID (PPM)	Depth To Product	Depth To Water	Product Thickness	Total Depth of Well	Well Diameter	Redox (ORP)	Turbidity	Alkalinity	Mn	Fe	Well Volume	Purge Method & Sampling Device
MW-4		ND	8.25	ND	22.10	2"						2.27	
Volume	Time	Temp	pH	Cond	Salinity	Diss O2							Notes
1	1245	19.80	7.09	0.614	0.3	1.93	-35	781					Purged approx 20 gals
2													
3													
4													
5													
Well Number	Well Head PID (PPM)	Depth To Product	Depth To Water	Product Thickness	Total Depth of Well	Well Diameter	Redox (ORP)	Turbidity	Alkalinity	Mn	Fe	Well Volume	Purge Method & Sampling Device
MW-4		ND	16.41	ND	19.15	2"						1.43	
Volume	Time	Temp	pH	Cond	Salinity	Diss O2							Notes
1	1315	18.70	6.81	1.10	0.5	2.12	7	274					Purged 10 gals
2													
3													
4													
5													
Well Number	Well Head PID (PPM)	Depth To Product	Depth To Water	Product Thickness	Total Depth of Well	Well Diameter	Redox (ORP)	Turbidity	Alkalinity	Mn	Fe	Well Volume	Purge Method & Sampling Device
Volume	Time	Temp	pH	Cond	Salinity	Diss O2							Notes
1													
2													
3													
4													
5													

Well Volume Calculation: Total Depth of Well - Depth to Water = Water Column Height.

Water Column Height x Well Diameter Multiplier = One Well Volume in Gallons

Diameter	Multiplier	Diameter	Multiplier
1 inch	0.041	3 inch	0.369
2 inch	0.164	4 inch	0.656

APPENDIX D

Photographs



Photo 1: View of Geoprobe slide hammer utilized to collected sub-slab soil samples.



Photo 4: Typically indoor air sample.



Photo 2: View of Geoprobe slide hammer beneath slab in GK Jeans unit.



Photo 5: Sub-slab vapor sample point assembly.

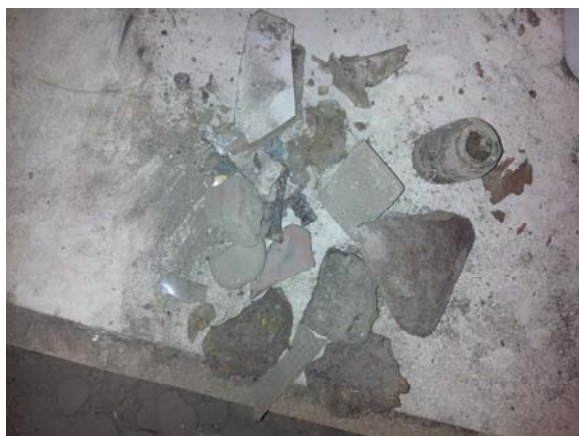


Photo 3: Typically fill found beneath the foundation slab of GK Jeans and Pearl Vision.



Photo 6: Soil vapor sample point assembly.



Photo 7: Soil Boring/Well installation.



Photo 9: Well development.



Photo 8: Permanent groundwater well.

APPENDIX E

Laboratory Analytical Reports



ANALYTICAL REPORT

Lab Number:	L1414880
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	ASTORIA HOLDINGS CORP.
Project Number:	6980
Report Date:	07/11/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: ASTORIA HOLDINGS CORP.

Project Number: 6980

Lab Number: L1414880

Report Date: 07/11/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1414880-01	SB-PV1 (4.5-5')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/30/14 13:30	07/03/14
L1414880-02	SB-PV2 (2-2.5')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/30/14 11:50	07/03/14
L1414880-03	SB-PV2 (4.5-5')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/30/14 11:45	07/03/14
L1414880-04	SB-PV3 (0.5-1')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/30/14 16:35	07/03/14
L1414880-05	SB-PV4 (2.5-3')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/30/14 10:01	07/03/14
L1414880-06	SB-PV4 (4.5-5')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/30/14 09:57	07/03/14
L1414880-07	SB-PV5 (2.5-3')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/30/14 09:25	07/03/14
L1414880-08	SB-PV5 (4.5-5')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/30/14 09:15	07/03/14
L1414880-09	SB-GK1 (1.5-2')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/29/14 13:15	07/03/14
L1414880-10	SB-GK2 (4.5-5')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	06/29/14 12:30	07/03/14

Project Name: ASTORIA HOLDINGS CORP.
Project Number: 6980

Lab Number: L1414880
Report Date: 07/11/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ASTORIA HOLDINGS CORP.
Project Number: 6980

Lab Number: L1414880
Report Date: 07/11/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

The surrogate recovery for L1414880-04 is below the acceptance criteria for dibromofluoromethane (34%), due to a known matrix effect caused by the high pH of the sample (>10).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 07/11/14

ORGANICS

VOLATILES

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-01
Client ID: SB-PV1 (4.5-5')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/09/14 13:32
Analyst: MV
Percent Solids: 92%

Date Collected: 06/30/14 13:30
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.9	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	52		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	17		ug/kg	11	1.1	1
2-Butanone	2.1	J	ug/kg	11	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-01

Date Collected: 06/30/14 13:30

Client ID: SB-PV1 (4.5-5')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	110		70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-02
Client ID: SB-PV2 (2-2.5')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/09/14 13:59
Analyst: MV
Percent Solids: 93%

Date Collected: 06/30/14 11:50
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.8	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
Tetrachloroethene	41		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Acetone	41		ug/kg	11	1.1	1
2-Butanone	5.6	J	ug/kg	11	0.29	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.14	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-02

Date Collected: 06/30/14 11:50

Client ID: SB-PV2 (2-2.5')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-03
Client ID: SB-PV2 (4.5-5')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/09/14 14:26
Analyst: MV
Percent Solids: 92%

Date Collected: 06/30/14 11:45
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.3	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	23		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.77	J	ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	15		ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	1.0	J	ug/kg	5.4	0.15	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-03

Date Collected: 06/30/14 11:45

Client ID: SB-PV2 (4.5-5')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

1,4-Dioxane	ND		ug/kg	110	16.	1
-------------	----	--	-------	-----	-----	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-04
Client ID: SB-PV3 (0.5-1')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/09/14 14:52
Analyst: MV
Percent Solids: 94%

Date Collected: 06/30/14 16:35
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
Tetrachloroethene	0.88	J	ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Acetone	54		ug/kg	11	1.1	1
2-Butanone	4.0	J	ug/kg	11	0.29	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-04

Date Collected: 06/30/14 16:35

Client ID: SB-PV3 (0.5-1')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

1,4-Dioxane	ND		ug/kg	110	15.	1
-------------	----	--	-------	-----	-----	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	34	Q	70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-05
 Client ID: SB-PV4 (2.5-3')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/09/14 15:19
 Analyst: MV
 Percent Solids: 91%

Date Collected: 06/30/14 10:01
 Date Received: 07/03/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.2	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	47		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	3.5	J	ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	0.90	J	ug/kg	5.5	0.16	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-05

Date Collected: 06/30/14 10:01

Client ID: SB-PV4 (2.5-3')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-06
 Client ID: SB-PV4 (4.5-5')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/09/14 15:45
 Analyst: MV
 Percent Solids: 88%

Date Collected: 06/30/14 09:57
 Date Received: 07/03/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	3.3	J	ug/kg	11	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	25		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	27		ug/kg	11	1.2	1
2-Butanone	2.2	J	ug/kg	11	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-06

Date Collected: 06/30/14 09:57

Client ID: SB-PV4 (4.5-5')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-07
Client ID: SB-PV5 (2.5-3')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/09/14 16:12
Analyst: MV
Percent Solids: 92%

Date Collected: 06/30/14 09:25
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	3.4		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Acetone	15		ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-07

Date Collected: 06/30/14 09:25

Client ID: SB-PV5 (2.5-3')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-08
Client ID: SB-PV5 (4.5-5')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/09/14 16:39
Analyst: MV
Percent Solids: 89%

Date Collected: 06/30/14 09:15
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	3.4	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	2.0		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.83	J	ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.10	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	23		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	0.94	J	ug/kg	5.6	0.16	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-08

Date Collected: 06/30/14 09:15

Client ID: SB-PV5 (4.5-5')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

1,4-Dioxane	ND		ug/kg	110	16.	1
-------------	----	--	-------	-----	-----	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	113		70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-09
 Client ID: SB-GK1 (1.5-2')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/09/14 17:05
 Analyst: MV
 Percent Solids: 99%

Date Collected: 06/29/14 13:15
 Date Received: 07/03/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
Tetrachloroethene	53		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.61	J	ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
Acetone	31		ug/kg	10	1.0	1
2-Butanone	ND		ug/kg	10	0.28	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.0	0.14	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-09

Date Collected: 06/29/14 13:15

Client ID: SB-GK1 (1.5-2')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/kg	100	14.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	113		70-130

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-10
 Client ID: SB-GK2 (4.5-5')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/09/14 17:32
 Analyst: MV
 Percent Solids: 93%

Date Collected: 06/29/14 12:30
 Date Received: 07/03/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	3.7	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
Tetrachloroethene	0.97	J	ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Acetone	53		ug/kg	11	1.1	1
2-Butanone	4.4	J	ug/kg	11	0.29	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.14	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-10

Date Collected: 06/29/14 12:30

Client ID: SB-GK2 (4.5-5')

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

1,4-Dioxane	ND		ug/kg	110	15.	1
-------------	----	--	-------	-----	-----	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	97		70-130

Project Name: ASTORIA HOLDINGS CORP.

Lab Number: L1414880

Project Number: 6980

Report Date: 07/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/09/14 10:27
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG704651-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.31	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Vinyl chloride	ND		ug/kg	2.0	0.12
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Acetone	ND		ug/kg	10	1.0
2-Butanone	ND		ug/kg	10	0.27
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14

Project Name: ASTORIA HOLDINGS CORP.

Lab Number: L1414880

Project Number: 6980

Report Date: 07/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/09/14 10:27
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG704651-3					
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDINGS CORP.

Project Number: 6980

Lab Number: L1414880

Report Date: 07/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG704651-1 WG704651-2								
Methylene chloride	101		102		70-130	1		30
1,1-Dichloroethane	111		111		70-130	0		30
Chloroform	111		111		70-130	0		30
Carbon tetrachloride	117		117		70-130	0		30
1,2-Dichloropropane	108		110		70-130	2		30
Dibromochloromethane	115		114		70-130	1		30
2-Chloroethylvinyl ether	86		86		70-130	0		30
1,1,2-Trichloroethane	118		118		70-130	0		30
Tetrachloroethene	106		110		70-130	4		30
Chlorobenzene	108		110		70-130	2		30
Trichlorofluoromethane	122		126		70-139	3		30
1,2-Dichloroethane	117		117		70-130	0		30
1,1,1-Trichloroethane	114		115		70-130	1		30
Bromodichloromethane	113		113		70-130	0		30
trans-1,3-Dichloropropene	109		111		70-130	2		30
cis-1,3-Dichloropropene	95		97		70-130	2		30
1,1-Dichloropropene	106		108		70-130	2		30
Bromoform	94		98		70-130	4		30
1,1,2,2-Tetrachloroethane	112		113		70-130	1		30
Benzene	110		111		70-130	1		30
Toluene	98		101		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ASTORIA HOLDINGS CORP.

Project Number: 6980

Lab Number: L1414880

Report Date: 07/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG704651-1 WG704651-2								
Ethylbenzene	109		112		70-130	3		30
Chloromethane	111		110		52-130	1		30
Bromomethane	120		120		57-147	0		30
Vinyl chloride	116		117		67-130	1		30
Chloroethane	144		143		50-151	1		30
1,1-Dichloroethene	99		103		65-135	4		30
trans-1,2-Dichloroethene	99		103		70-130	4		30
Trichloroethene	112		113		70-130	1		30
1,2-Dichlorobenzene	104		107		70-130	3		30
1,3-Dichlorobenzene	108		111		70-130	3		30
1,4-Dichlorobenzene	108		109		70-130	1		30
Methyl tert butyl ether	96		98		66-130	2		30
p/m-Xylene	109		113		70-130	4		30
o-Xylene	94		97		70-130	3		30
cis-1,2-Dichloroethene	104		106		70-130	2		30
Dibromomethane	112		112		70-130	0		30
Styrene	98		99		70-130	1		30
Dichlorodifluoromethane	93		94		30-146	1		30
Acetone	120		106		54-140	12		30
Carbon disulfide	101		102		59-130	1		30
2-Butanone	112		106		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDINGS CORP.

Project Number: 6980

Lab Number: L1414880

Report Date: 07/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG704651-1 WG704651-2								
Vinyl acetate	95		97		70-130	2		30
4-Methyl-2-pentanone	85		86		70-130	1		30
1,2,3-Trichloropropane	109		109		68-130	0		30
2-Hexanone	89		90		70-130	1		30
Bromochloromethane	109		111		70-130	2		30
2,2-Dichloropropane	108		110		70-130	2		30
1,2-Dibromoethane	112		112		70-130	0		30
1,3-Dichloropropane	114		115		69-130	1		30
1,1,1,2-Tetrachloroethane	112		115		70-130	3		30
Bromobenzene	103		106		70-130	3		30
n-Butylbenzene	115		118		70-130	3		30
sec-Butylbenzene	109		114		70-130	4		30
tert-Butylbenzene	93		97		70-130	4		30
o-Chlorotoluene	112		115		70-130	3		30
p-Chlorotoluene	113		117		70-130	3		30
1,2-Dibromo-3-chloropropane	93		94		68-130	1		30
Hexachlorobutadiene	108		110		67-130	2		30
Isopropylbenzene	92		96		70-130	4		30
p-Isopropyltoluene	95		98		70-130	3		30
Naphthalene	99		101		70-130	2		30
Acrylonitrile	99		95		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDINGS CORP.

Project Number: 6980

Lab Number: L1414880

Report Date: 07/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG704651-1 WG704651-2								
Isopropyl Ether	101		104		66-130	3		30
tert-Butyl Alcohol	98		100		70-130	2		30
n-Propylbenzene	108		112		70-130	4		30
1,2,3-Trichlorobenzene	114		111		70-130	3		30
1,2,4-Trichlorobenzene	109		111		70-130	2		30
1,3,5-Trimethylbenzene	110		114		70-130	4		30
1,2,4-Trimethylbenzene	100		102		70-130	2		30
Methyl Acetate	104		102		51-146	2		30
Ethyl Acetate	92		91		70-130	1		30
Acrolein	90		92		70-130	2		30
Cyclohexane	99		100		59-142	1		30
1,4-Dioxane	90		90		65-136	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		117		50-139	3		30
1,4-Diethylbenzene	93		97		70-130	4		30
4-Ethyltoluene	109		113		70-130	4		30
1,2,4,5-Tetramethylbenzene	89		92		70-130	3		30
Tetrahydrofuran	94		93		66-130	1		30
Ethyl ether	98		100		67-130	2		30
trans-1,4-Dichloro-2-butene	116		114		70-130	2		30
Methyl cyclohexane	99		103		70-130	4		30
Ethyl-Tert-Butyl-Ether	88		89		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG704651-1 WG704651-2								
Tertiary-Amyl Methyl Ether	89		91		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		109		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	94		97		70-130
Dibromofluoromethane	110		107		70-130

INORGANICS & MISCELLANEOUS

Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS****Lab ID:** L1414880-01**Client ID:** SB-PV1 (4.5-5')**Sample Location:** 2181-2195 RALPH AVE., BROOKLYN**Matrix:** Soil**Date Collected:** 06/30/14 13:30**Date Received:** 07/03/14**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-02
Client ID: SB-PV2 (2-2.5')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN
Matrix: Soil

Date Collected: 06/30/14 11:50
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS****Lab ID:** L1414880-03**Client ID:** SB-PV2 (4.5-5')**Sample Location:** 2181-2195 RALPH AVE., BROOKLYN**Matrix:** Soil**Date Collected:** 06/30/14 11:45**Date Received:** 07/03/14**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS**

Lab ID: L1414880-04
Client ID: SB-PV3 (0.5-1')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN
Matrix: Soil

Date Collected: 06/30/14 16:35
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.

Project Number: 6980

Lab Number: L1414880

Report Date: 07/11/14

SAMPLE RESULTS

Lab ID: L1414880-05

Client ID: SB-PV4 (2.5-3')

Sample Location: 2181-2195 RALPH AVE., BROOKLYN

Matrix: Soil

Date Collected: 06/30/14 10:01

Date Received: 07/03/14

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS****Lab ID:** L1414880-06**Client ID:** SB-PV4 (4.5-5')**Sample Location:** 2181-2195 RALPH AVE., BROOKLYN**Matrix:** Soil**Date Collected:** 06/30/14 09:57**Date Received:** 07/03/14**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS****Lab ID:** L1414880-07**Client ID:** SB-PV5 (2.5-3')**Sample Location:** 2181-2195 RALPH AVE., BROOKLYN**Matrix:** Soil**Date Collected:** 06/30/14 09:25**Date Received:** 07/03/14**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS****Lab ID:** L1414880-08**Client ID:** SB-PV5 (4.5-5')**Sample Location:** 2181-2195 RALPH AVE., BROOKLYN**Matrix:** Soil**Date Collected:** 06/30/14 09:15**Date Received:** 07/03/14**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS****Lab ID:** L1414880-09**Client ID:** SB-GK1 (1.5-2')**Sample Location:** 2181-2195 RALPH AVE., BROOKLYN**Matrix:** Soil**Date Collected:** 06/29/14 13:15**Date Received:** 07/03/14**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.9		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.**Project Number:** 6980**Lab Number:** L1414880**Report Date:** 07/11/14**SAMPLE RESULTS****Lab ID:** L1414880-10**Client ID:** SB-GK2 (4.5-5')**Sample Location:** 2181-2195 RALPH AVE., BROOKLYN**Matrix:** Soil**Date Collected:** 06/29/14 12:30**Date Received:** 07/03/14**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	07/08/14 22:49	30,2540G	RT



Project Name: ASTORIA HOLDINGS CORP.
Project Number: 6980

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1414880
Report Date: 07/11/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG704166-1 QC Sample: L1414703-01 Client ID: DUP Sample						
Solids, Total	90.1	90.2	%	0		20

Project Name: ASTORIA HOLDINGS CORP.**Lab Number:** L1414880**Project Number:** 6980**Report Date:** 07/11/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1414880-01A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-02A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-03A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-04A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-05A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-06A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-07A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-08A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-09A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1414880-10A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)

Container Comments

L1414880-09A

*Values in parentheses indicate holding time in days



Project Name: ASTORIA HOLDINGS CORP.
Project Number: 6980

Lab Number: L1414880
Report Date: 07/11/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers



Project Name: ASTORIA HOLDINGS CORP.
Project Number: 6980

Lab Number: L1414880
Report Date: 07/11/14

Data Qualifiers

- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ASTORIA HOLDINGS CORP.
Project Number: 6980

Lab Number: L1414880
Report Date: 07/11/14

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC,

SM426C, SM4500NH₃-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables); **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

7/13/14

ALPHA Job #: 61414880

FAX: 508-898-9193

TEL: 508-822-9300

FAX: 508-822-3288

Client Information

Client: Wheat Farm Community

1. What is the purpose of the study?

Address: 1701 1st St. N. 07

No. 6

Phone: 627-469-8000

Fax:

Email: qmenlez-ehcas@

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits

Project Information

Project Name: Probability and Statistics Lab

Project Location: 2181 - 2195 Kalph Ave

Project #: 1900 Brooklyn, NY

Project Manager: E. N. D. - D. N. S.

ALPHA Quote #: 2013070

Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved)

Date Due: 7/11/12

Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL☐ ADEX ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State /-ed Program

Criteria

Billing Information

☐ Same as Client info	PO #
--	------

PO#

SAMPLE HANDLING

Filtration _____

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

Sample Specific Comments

TOTAL # BOFTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	(Please specify below) Sample Specific Comments
		Date	Time			
14880-01	SB-PV1 (4.5-5')	6/30/14	1130	S	SG	X
-02	SB-PV2 (2-2.5')	7/1/14	1150			
-03	SB-PV2 (4.5-5')		1145			
-04	SB-PV3 (0.5-1')		1135			
-05	SB-PV4 (2.5-3')		1001			
-06	SB-PV4 (4.5-5')		0957			
-07	SB-PV5 (2.5-3')		0925			
-08	SB-PV5 (4.5-5')		0915			
-09	SB-GK1 (1.5-2')	6/29/14	1315		SG	
-10	SB-GK2 (4.5-5')		1230		KP	

Relinquished By:	Date/Time	Received By:	Date/Time	Container Type	
				Preservative	Other
<i>[Signature]</i>	7/31/14 1235	<i>[Signature]</i>	7-3-14 1235	402	214
<i>[Signature]</i>	7-31/1835	<i>[Signature]</i>	7-31/1835		
<i>[Signature]</i>	7-3-14 2330	<i>[Signature]</i>	7/3/14 2330		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1414915
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	ASTORIA HOLDING CORP.
Project Number:	6980
Report Date:	07/10/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: ASTORIA HOLDING CORP.
Project Number: 6980

Lab Number: L1414915
Report Date: 07/10/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1414915-01	SSV-PV1	SOIL_VAPOR	2181-2195 RALPH AVENUE BROOKLYN, NY	06/30/14 18:59	07/03/14
L1414915-02	SSV-PV2	SOIL_VAPOR	2181-2195 RALPH AVENUE BROOKLYN, NY	06/30/14 19:02	07/03/14
L1414915-03	SSV-GK1	SOIL_VAPOR	2181-2195 RALPH AVENUE BROOKLYN, NY	06/30/14 18:55	07/03/14
L1414915-04	SSV-GK2	SOIL_VAPOR	2181-2195 RALPH AVENUE BROOKLYN, NY	06/30/14 18:53	07/03/14
L1414915-05	IA-GK	AIR	2181-2195 RALPH AVENUE BROOKLYN, NY	06/30/14 18:54	07/03/14
L1414915-06	IA-PV	AIR	2181-2195 RALPH AVENUE BROOKLYN, NY	06/30/14 18:59	07/03/14
L1414915-07	OA-AVEL	AIR	2181-2195 RALPH AVENUE BROOKLYN, NY	06/30/14 19:00	07/03/14
L1414915-08	CAN 1586	AIR	2181-2195 RALPH AVENUE BROOKLYN, NY		07/03/14

Project Name: ASTORIA HOLDING CORP.
Project Number: 6980

Lab Number: L1414915
Report Date: 07/10/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ASTORIA HOLDING CORP.
Project Number: 6980

Lab Number: L1414915
Report Date: 07/10/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 27, 2014. The canister certification results are provided as an addendum.

Sample L1414915-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

Sample L1414915-02 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

TO15-LL

Laboratory Duplicate WG704115-5: The relative percent difference for Dichlorodifluoromethane (28%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected, therefore no further action was taken.

TO15-SIM

The WG704116-3 LCS recoveries for 1,2,4-Trichlorobenzene (148%), 1,2,3-Trichlorobenzene (137%) and Hexachlorobutadiene (141%) are above the upper 130% acceptance limit. The response for these compounds was elevated however they were not detected in any of the associated samples therefore no further action was taken.

Helium in Air

Sample L1414915-01 through -04: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 07/10/14

AIR

Project Name: ASTORIA HOLDING CORP.**Project Number:** 6980**Lab Number:** L1414915**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-01 D
Client ID: SSV-PV1
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/09/14 09:15
Analyst: RY

Date Collected: 06/30/14 18:59
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	79.8	12.5	--	150	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	10.8	5.00	--	25.7	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	11.7	2.50	--	28.8	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	1.14	1.00	--	3.36	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-01 D

Date Collected: 06/30/14 18:59

Client ID: SSV-PV1

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	1.10	1.00	--	3.24	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	2.47	1.00	--	13.3	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	5.64	1.00	--	21.3	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	296	1.00	--	2010	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	1.34	1.00	--	5.82	4.34	--		5
p/m-Xylene	5.00	2.00	--	21.7	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-01 D

Date Collected: 06/30/14 18:59

Client ID: SSV-PV1

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	1.33	1.00	--	5.78	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	63		60-140
Bromochloromethane	74		60-140
chlorobenzene-d5	85		60-140



Project Name: ASTORIA HOLDING CORP.**Project Number:** 6980**Lab Number:** L1414915**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-02 D
Client ID: SSV-PV2
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/09/14 18:42
Analyst: RY

Date Collected: 06/30/14 19:02
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.436	0.400	--	2.16	1.98	--		2
Chloromethane	0.606	0.400	--	1.25	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	93.5	5.00	--	176	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	12.8	2.00	--	30.4	4.75	--		2
Trichlorofluoromethane	0.548	0.400	--	3.08	2.25	--		2
Isopropanol	15.6	1.00	--	38.3	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	0.578	0.400	--	1.80	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.62	0.400	--	4.78	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-02 D

Date Collected: 06/30/14 19:02

Client ID: SSV-PV2

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	1.32	0.400	--	3.89	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	1.10	0.400	--	5.91	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	0.400	--	ND	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	7.87	0.400	--	29.7	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	138	0.400	--	936	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	2.47	0.400	--	10.7	1.74	--		2
p/m-Xylene	8.66	0.800	--	37.6	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.474	0.400	--	2.02	1.70	--		2



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-02 D

Date Collected: 06/30/14 19:02

Client ID: SSV-PV2

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	2.05	0.400	--	8.90	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	0.420	0.400	--	2.06	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	63		60-140
Bromochloromethane	66		60-140
chlorobenzene-d5	89		60-140



Project Name: ASTORIA HOLDING CORP.**Project Number:** 6980**Lab Number:** L1414915**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-03
Client ID: SSV-GK1
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/09/14 01:09
Analyst: RY

Date Collected: 06/30/14 18:55
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.527	0.200	--	2.61	0.989	--		1
Chloromethane	0.712	0.200	--	1.47	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	82.0	2.50	--	155	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.2	1.00	--	43.2	2.38	--		1
Trichlorofluoromethane	0.387	0.200	--	2.17	1.12	--		1
Isopropanol	14.2	0.500	--	34.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.757	0.500	--	2.29	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.204	0.200	--	0.635	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.89	0.200	--	5.57	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	1.08	0.500	--	3.89	1.80	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-03

Date Collected: 06/30/14 18:55

Client ID: SSV-GK1

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.233	0.200	--	1.14	0.977	--		1
Tetrahydrofuran	1.58	0.200	--	4.66	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.210	0.200	--	0.740	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.207	0.200	--	0.661	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.360	0.200	--	1.24	0.688	--		1
1,2-Dichloropropane	0.210	0.200	--	0.971	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.336	0.200	--	1.81	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.230	0.200	--	0.943	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	6.65	0.200	--	25.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	40.0	0.200	--	271	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.22	0.200	--	5.30	0.869	--		1
p/m-Xylene	4.30	0.400	--	18.7	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.338	0.200	--	1.44	0.852	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-03

Date Collected: 06/30/14 18:55

Client ID: SSV-GK1

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.10	0.200	--	4.78	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.349	0.200	--	1.72	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	69		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	87		60-140



Project Name: ASTORIA HOLDING CORP.**Project Number:** 6980**Lab Number:** L1414915**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-04
Client ID: SSV-GK2
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/09/14 01:40
Analyst: RY

Date Collected: 06/30/14 18:53
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.527	0.200	--	2.61	0.989	--		1
Chloromethane	1.21	0.200	--	2.50	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	172	2.50	--	324	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.9	1.00	--	63.9	2.38	--		1
Trichlorofluoromethane	0.519	0.200	--	2.92	1.12	--		1
Isopropanol	51.2	0.500	--	126	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.08	0.200	--	6.13	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	1.86	0.500	--	6.70	1.80	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-04

Date Collected: 06/30/14 18:53

Client ID: SSV-GK2

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.62	0.200	--	4.78	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.275	0.200	--	0.969	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.201	0.200	--	0.642	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.443	0.200	--	1.52	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.375	0.200	--	2.02	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.256	0.200	--	1.05	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	7.35	0.200	--	27.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	43.3	0.200	--	294	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.19	0.200	--	5.17	0.869	--		1
p/m-Xylene	4.13	0.400	--	17.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.345	0.200	--	1.47	0.852	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-04

Date Collected: 06/30/14 18:53

Client ID: SSV-GK2

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.05	0.200	--	4.56	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.324	0.200	--	1.59	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	70		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	85		60-140



Project Name: ASTORIA HOLDING CORP.**Project Number:** 6980**Lab Number:** L1414915**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-05
Client ID: IA-GK
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/09/14 17:39
Analyst: RY

Date Collected: 06/30/14 18:54
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.421	0.200	--	2.08	0.989	--		1
Chloromethane	0.720	0.200	--	1.49	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	265	2.50	--	499	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	23.4	1.00	--	55.6	2.38	--		1
Trichlorofluoromethane	0.326	0.200	--	1.83	1.12	--		1
Isopropanol	21.2	0.500	--	52.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	2.49	1.00	--	8.65	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.39	0.200	--	7.05	0.590	--		1
Ethyl Acetate	1.88	0.500	--	6.77	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.256	0.200	--	0.755	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-05

Date Collected: 06/30/14 18:54

Client ID: IA-GK

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.338	0.200	--	1.19	0.705	--		1
Benzene	0.204	0.200	--	0.652	0.639	--		1
Cyclohexane	0.554	0.200	--	1.91	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.252	0.200	--	1.03	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	7.04	0.200	--	26.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.769	0.200	--	3.34	0.869	--		1
p/m-Xylene	2.78	0.400	--	12.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.340	0.200	--	1.45	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.738	0.200	--	3.21	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-05

Date Collected: 06/30/14 18:54

Client ID: IA-GK

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	67		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	88		60-140



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-05
Client ID: IA-GK
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/14 17:39
Analyst: RY

Date Collected: 06/30/14 18:54
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.119	0.020	--	0.749	0.126	--		1
Trichloroethene	0.041	0.020	--	0.220	0.107	--		1
Tetrachloroethene	8.02	0.020	--	54.4	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	70		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	90		60-140



Project Name: ASTORIA HOLDING CORP.**Project Number:** 6980**Lab Number:** L1414915**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-06
Client ID: IA-PV
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/08/14 20:56
Analyst: RY

Date Collected: 06/30/14 18:59
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--		1
Chloromethane	0.736	0.200	--	1.52	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	417	2.50	--	786	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	31.9	1.00	--	75.8	2.38	--		1
Trichlorofluoromethane	0.314	0.200	--	1.76	1.12	--		1
Isopropanol	34.5	0.500	--	84.8	1.23	--		1
Tertiary butyl Alcohol	0.524	0.500	--	1.59	1.52	--		1
Methylene chloride	1.24	1.00	--	4.31	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.36	0.200	--	6.96	0.590	--		1
Ethyl Acetate	1.74	0.500	--	6.27	1.80	--		1
Chloroform	0.204	0.200	--	0.996	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-06

Date Collected: 06/30/14 18:59

Client ID: IA-PV

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.304	0.200	--	1.07	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.650	0.200	--	2.24	0.688	--		1
1,2-Dichloropropane	0.223	0.200	--	1.03	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.296	0.200	--	1.21	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	8.90	0.200	--	33.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.90	0.200	--	8.25	0.869	--		1
p/m-Xylene	6.75	0.400	--	29.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.417	0.200	--	1.78	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.58	0.200	--	6.86	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.205	0.200	--	1.01	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-06

Date Collected: 06/30/14 18:59

Client ID: IA-PV

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	72		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	88		60-140



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-06
Client ID: IA-PV
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/08/14 20:56
Analyst: RY

Date Collected: 06/30/14 18:59
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.021	0.020	--	0.115	0.109	--		1
Carbon tetrachloride	0.105	0.020	--	0.660	0.126	--		1
Trichloroethene	0.067	0.020	--	0.360	0.107	--		1
Tetrachloroethene	18.1	0.020	--	123	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	77		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	93		60-140



Project Name: ASTORIA HOLDING CORP.**Project Number:** 6980**Lab Number:** L1414915**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-07
Client ID: OA-AVEL
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/08/14 19:53
Analyst: RY

Date Collected: 06/30/14 19:00
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.468	0.200	--	2.31	0.989	--		1
Chloromethane	0.621	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	3.35	2.50	--	6.31	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.81	1.00	--	9.05	2.38	--		1
Trichlorofluoromethane	0.349	0.200	--	1.96	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS****Lab ID:** L1414915-07**Date Collected:** 06/30/14 19:00**Client ID:** OA-AVEL**Date Received:** 07/03/14**Sample Location:** 2181-2195 RALPH AVENUE BROOKLY**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-07

Date Collected: 06/30/14 19:00

Client ID: OA-AVEL

Date Received: 07/03/14

Sample Location: 2181-2195 RALPH AVENUE BROOKLY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	68		60-140
Bromochloromethane	69		60-140
chlorobenzene-d5	81		60-140



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-07
Client ID: OA-AVEL
Sample Location: 2181-2195 RALPH AVENUE BROOKLY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/08/14 19:53
Analyst: RY

Date Collected: 06/30/14 19:00
Date Received: 07/03/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.105	0.020	--	0.660	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.134	0.020	--	0.909	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	72		60-140
bromochloromethane	76		60-140
chlorobenzene-d5	88		60-140



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/08/14 13:03

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04,06-07 Batch: WG704115-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/08/14 13:03

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04,06-07 Batch: WG704115-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/08/14 13:03

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04,06-07 Batch: WG704115-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/09/14 15:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02,05 Batch: WG704115-9								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: ASTORIA HOLDING CORP.

Lab Number: L1414915

Project Number: 6980

Report Date: 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/09/14 15:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02,05 Batch: WG704115-9								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/09/14 15:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02,05 Batch: WG704115-9								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 07/08/14 13:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 06-07 Batch: WG704116-4								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 07/08/14 13:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 06-07 Batch: WG704116-4								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 07/08/14 13:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 06-07 Batch: WG704116-4								
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 07/09/14 15:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 05 Batch: WG704116-9								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04,06-07 Batch: WG704115-3								
Chlorodifluoromethane	92		-		70-130	-		
Propylene	99		-		70-130	-		
Propane	77		-		70-130	-		
Dichlorodifluoromethane	125		-		70-130	-		
Chloromethane	95		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	110		-		70-130	-		
Methanol	78		-		70-130	-		
Vinyl chloride	104		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Butane	92		-		70-130	-		
Bromomethane	106		-		70-130	-		
Chloroethane	103		-		70-130	-		
Ethyl Alcohol	100		-		70-130	-		
Dichlorofluoromethane	101		-		70-130	-		
Vinyl bromide	105		-		70-130	-		
Acrolein	94		-		70-130	-		
Acetone	112		-		70-130	-		
Acetonitrile	92		-		70-130	-		
Trichlorofluoromethane	123		-		70-130	-		
iso-Propyl Alcohol	105		-		70-130	-		
Acrylonitrile	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04,06-07 Batch: WG704115-3								
Pentane	94		-		70-130	-		
Ethyl ether	90		-		70-130	-		
1,1-Dichloroethene	113		-		70-130	-		
tert-Butyl Alcohol	112		-		70-130	-		
Methylene chloride	105		-		70-130	-		
3-Chloropropene	106		-		70-130	-		
Carbon disulfide	103		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	115		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	110		-		70-130	-		
Methyl tert butyl ether	113		-		70-130	-		
Vinyl acetate	116		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	118		-		70-130	-		
Ethyl Acetate	97		-		70-130	-		
Chloroform	112		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
2,2-Dichloropropane	110		-		70-130	-		
1,2-Dichloroethane	118		-		70-130	-		
n-Hexane	84		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04,06-07 Batch: WG704115-3								
Ethyl-Tert-Butyl-Ether	90		-		70-130	-		
1,1,1-Trichloroethane	109		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	112		-		70-130	-		
Cyclohexane	85		-		70-130	-		
Tertiary-Amyl Methyl Ether	91		-		70-130	-		
Dibromomethane	89		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	88		-		70-130	-		
Trichloroethene	101		-		70-130	-		
2,2,4-Trimethylpentane	86		-		70-130	-		
Methyl methacrylate	88		-		70-130	-		
Heptane	85		-		70-130	-		
cis-1,3-Dichloropropene	110		-		70-130	-		
4-Methyl-2-pentanone	92		-		70-130	-		
trans-1,3-Dichloropropene	97		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	94		-		70-130	-		
1,3-Dichloropropane	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04,06-07 Batch: WG704115-3								
2-Hexanone	95		-		70-130	-		
Dibromochloromethane	103		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Butyl Acetate	98		-		70-130	-		
Octane	89		-		70-130	-		
Tetrachloroethene	103		-		70-130	-		
1,1,1,2-Tetrachloroethane	96		-		70-130	-		
Chlorobenzene	97		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	103		-		70-130	-		
Bromoform	110		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	96		-		70-130	-		
o-Xylene	107		-		70-130	-		
1,2,3-Trichloropropane	87		-		70-130	-		
Nonane (C9)	87		-		70-130	-		
Isopropylbenzene	97		-		70-130	-		
Bromobenzene	91		-		70-130	-		
o-Chlorotoluene	94		-		70-130	-		
n-Propylbenzene	95		-		70-130	-		
p-Chlorotoluene	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04,06-07 Batch: WG704115-3								
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
tert-Butylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Decane (C10)	88		-		70-130	-		
Benzyl chloride	113		-		70-130	-		
1,3-Dichlorobenzene	106		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
sec-Butylbenzene	95		-		70-130	-		
p-Isopropyltoluene	94		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
n-Butylbenzene	98		-		70-130	-		
1,2-Dibromo-3-chloropropane	104		-		70-130	-		
Undecane	100		-		70-130	-		
Dodecane (C12)	124		-		70-130	-		
1,2,4-Trichlorobenzene	128		-		70-130	-		
Naphthalene	114		-		70-130	-		
1,2,3-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	121		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,05 Batch: WG704115-8								
Chlorodifluoromethane	90		-		70-130	-		
Propylene	93		-		70-130	-		
Propane	74		-		70-130	-		
Dichlorodifluoromethane	117		-		70-130	-		
Chloromethane	94		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	109		-		70-130	-		
Methanol	74		-		70-130	-		
Vinyl chloride	103		-		70-130	-		
1,3-Butadiene	93		-		70-130	-		
Butane	89		-		70-130	-		
Bromomethane	103		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	88		-		70-130	-		
Dichlorofluoromethane	101		-		70-130	-		
Vinyl bromide	104		-		70-130	-		
Acrolein	92		-		70-130	-		
Acetone	111		-		70-130	-		
Acetonitrile	88		-		70-130	-		
Trichlorofluoromethane	123		-		70-130	-		
iso-Propyl Alcohol	96		-		70-130	-		
Acrylonitrile	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,05 Batch: WG704115-8								
Pentane	92		-		70-130	-		
Ethyl ether	90		-		70-130	-		
1,1-Dichloroethene	112		-		70-130	-		
tert-Butyl Alcohol	105		-		70-130	-		
Methylene chloride	104		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	116		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	104		-		70-130	-		
Methyl tert butyl ether	109		-		70-130	-		
Vinyl acetate	110		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	116		-		70-130	-		
Ethyl Acetate	92		-		70-130	-		
Chloroform	111		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
2,2-Dichloropropane	109		-		70-130	-		
1,2-Dichloroethane	116		-		70-130	-		
n-Hexane	84		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,05 Batch: WG704115-8								
Ethyl-Tert-Butyl-Ether	91		-		70-130	-		
1,1,1-Trichloroethane	111		-		70-130	-		
1,1-Dichloropropene	92		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	114		-		70-130	-		
Cyclohexane	82		-		70-130	-		
Tertiary-Amyl Methyl Ether	93		-		70-130	-		
Dibromomethane	89		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	84		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	86		-		70-130	-		
Methyl methacrylate	88		-		70-130	-		
Heptane	85		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	90		-		70-130	-		
trans-1,3-Dichloropropene	98		-		70-130	-		
1,1,2-Trichloroethane	97		-		70-130	-		
Toluene	95		-		70-130	-		
1,3-Dichloropropane	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,05 Batch: WG704115-8								
2-Hexanone	93		-		70-130	-		
Dibromochloromethane	105		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		
Butyl Acetate	96		-		70-130	-		
Octane	88		-		70-130	-		
Tetrachloroethene	102		-		70-130	-		
1,1,1,2-Tetrachloroethane	98		-		70-130	-		
Chlorobenzene	97		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	105		-		70-130	-		
Bromoform	109		-		70-130	-		
Styrene	106		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	107		-		70-130	-		
1,2,3-Trichloropropane	90		-		70-130	-		
Nonane (C9)	87		-		70-130	-		
Isopropylbenzene	98		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	96		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		
p-Chlorotoluene	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,05 Batch: WG704115-8								
4-Ethyltoluene	95		-		70-130	-		
1,3,5-Trimethylbenzene	107		-		70-130	-		
tert-Butylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Decane (C10)	90		-		70-130	-		
Benzyl chloride	110		-		70-130	-		
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	109		-		70-130	-		
sec-Butylbenzene	99		-		70-130	-		
p-Isopropyltoluene	95		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
n-Butylbenzene	102		-		70-130	-		
1,2-Dibromo-3-chloropropane	105		-		70-130	-		
Undecane	102		-		70-130	-		
Dodecane (C12)	121		-		70-130	-		
1,2,4-Trichlorobenzene	126		-		70-130	-		
Naphthalene	111		-		70-130	-		
1,2,3-Trichlorobenzene	113		-		70-130	-		
Hexachlorobutadiene	120		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 06-07 Batch: WG704116-3								
Dichlorodifluoromethane	123		-		70-130	-		25
Chloromethane	98		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	118		-		70-130	-		25
Vinyl chloride	113		-		70-130	-		25
1,3-Butadiene	112		-		70-130	-		25
Bromomethane	116		-		70-130	-		25
Chloroethane	104		-		70-130	-		25
Acetone	118		-		70-130	-		25
Trichlorofluoromethane	130		-		70-130	-		25
Acrylonitrile	103		-		70-130	-		25
1,1-Dichloroethene	122		-		70-130	-		25
Methylene chloride	112		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	125		-		70-130	-		25
Halothane	136	Q	-		70-130	-		25
trans-1,2-Dichloroethene	102		-		70-130	-		25
1,1-Dichloroethane	116		-		70-130	-		25
Methyl tert butyl ether	118		-		70-130	-		25
2-Butanone	100		-		70-130	-		25
cis-1,2-Dichloroethene	127		-		70-130	-		25
Chloroform	122		-		70-130	-		25
1,2-Dichloroethane	124		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 06-07 Batch: WG704116-3								
1,1,1-Trichloroethane	118		-		70-130	-		25
Benzene	96		-		70-130	-		25
Carbon tetrachloride	122		-		70-130	-		25
1,2-Dichloropropane	98		-		70-130	-		25
Bromodichloromethane	109		-		70-130	-		25
1,4-Dioxane	88		-		70-130	-		25
Trichloroethene	108		-		70-130	-		25
cis-1,3-Dichloropropene	120		-		70-130	-		25
4-Methyl-2-pentanone	106		-		70-130	-		25
trans-1,3-Dichloropropene	112		-		70-130	-		25
1,1,2-Trichloroethane	107		-		70-130	-		25
Toluene	101		-		70-130	-		25
Dibromochloromethane	116		-		70-130	-		25
1,2-Dibromoethane	111		-		70-130	-		25
Tetrachloroethene	111		-		70-130	-		25
1,1,1,2-Tetrachloroethane	107		-		70-130	-		25
Chlorobenzene	103		-		70-130	-		25
Ethylbenzene	113		-		70-130	-		25
p/m-Xylene	119		-		70-130	-		25
Bromoform	123		-		70-130	-		25
Styrene	121		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 06-07 Batch: WG704116-3								
1,1,2,2-Tetrachloroethane	106		-		70-130	-		25
o-Xylene	120		-		70-130	-		25
Isopropylbenzene	107		-		70-130	-		25
4-Ethyltoluene	107		-		70-130	-		25
1,3,5-Trimethylbenzene	122		-		70-130	-		25
1,2,4-Trimethylbenzene	129		-		70-130	-		25
1,3-Dichlorobenzene	120		-		70-130	-		25
1,4-Dichlorobenzene	118		-		70-130	-		25
sec-Butylbenzene	112		-		70-130	-		25
p-Isopropyltoluene	110		-		70-130	-		25
1,2-Dichlorobenzene	120		-		70-130	-		25
n-Butylbenzene	119		-		70-130	-		25
1,2,4-Trichlorobenzene	148	Q	-		70-130	-		25
Naphthalene	134	Q	-		70-130	-		25
1,2,3-Trichlorobenzene	137	Q	-		70-130	-		25
Hexachlorobutadiene	141	Q	-		70-130	-		25

Lab Control Sample Analysis Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05 Batch: WG704116-8								
Vinyl chloride	110		-		70-130	-		25
1,1-Dichloroethene	118		-		70-130	-		25
cis-1,2-Dichloroethene	122		-		70-130	-		25
1,1,1-Trichloroethane	116		-		70-130	-		25
Carbon tetrachloride	120		-		70-130	-		25
Trichloroethene	106		-		70-130	-		25
Tetrachloroethene	106		-		70-130	-		25

Lab Duplicate Analysis Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG704115-5 QC Sample: L1414915-06 Client ID: IA-PV						
Dichlorodifluoromethane	0.512	0.386	ppbV	28	Q	25
Chloromethane	0.736	0.871	ppbV	17		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	417	425	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	31.9	32.4	ppbV	2		25
Trichlorofluoromethane	0.314	0.325	ppbV	3		25
Isopropanol	34.5	35.4	ppbV	3		25
Tertiary butyl Alcohol	0.524	0.548	ppbV	4		25
Methylene chloride	1.24	1.30	ppbV	5		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG704115-5 QC Sample: L1414915-06 Client ID: IA-PV					
2-Butanone	2.36	2.56	ppbV	8	25
Ethyl Acetate	1.74	1.76	ppbV	1	25
Chloroform	0.204	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.304	0.292	ppbV	4	25
Benzene	ND	0.213	ppbV	NC	25
Cyclohexane	0.650	0.714	ppbV	9	25
1,2-Dichloropropane	0.223	0.216	ppbV	3	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	0.296	0.266	ppbV	11	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	8.90	9.30	ppbV	4	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG704115-5 QC Sample: L1414915-06 Client ID: IA-PV					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	1.90	1.98	ppbV	4	25
p/m-Xylene	6.75	7.12	ppbV	5	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.417	0.478	ppbV	14	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	1.58	1.62	ppbV	3	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.205	0.223	ppbV	8	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05-07 QC Batch ID: WG704116-5 QC Sample: L1414915-06 Client ID: IA-PV					
Vinyl chloride	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	0.021	0.022	ppbV	5	25
Carbon tetrachloride	0.105	0.108	ppbV	3	25
Trichloroethene	0.067	0.069	ppbV	3	25
Tetrachloroethene	18.1	18.5	ppbV	2	25

Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-01 D
Client ID: SSV-PV1
Sample Location: 2181-2195 RALPH AVENUE BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/10/14 10:28
Analyst: MB

Date Collected: 06/30/14 18:59
Date Received: 07/03/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	ND		%	0.138	--	345.5
--------	----	--	---	-------	----	-------

Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-02 D
Client ID: SSV-PV2
Sample Location: 2181-2195 RALPH AVENUE BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/10/14 11:02
Analyst: MB

Date Collected: 06/30/14 19:02
Date Received: 07/03/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	ND		%	0.225	--	561.8
--------	----	--	---	-------	----	-------

Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-03 D
Client ID: SSV-GK1
Sample Location: 2181-2195 RALPH AVENUE BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/10/14 11:37
Analyst: MB

Date Collected: 06/30/14 18:55
Date Received: 07/03/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	0.446		%	0.191	--	478.4
--------	-------	--	---	-------	----	-------

Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**SAMPLE RESULTS**

Lab ID: L1414915-04 D
Client ID: SSV-GK2
Sample Location: 2181-2195 RALPH AVENUE BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/10/14 12:12
Analyst: MB

Date Collected: 06/30/14 18:53
Date Received: 07/03/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	ND		%	0.199	--	497.5
--------	----	--	---	-------	----	-------

Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 51,3C

Analytical Date: 07/10/14 10:05

Analyst: MB

Parameter	Result	Qualifier	Units	RL	MDL
Fixed Gases by GC - Mansfield Lab for sample(s): 01-04 Batch: WG704647-2					
Helium	ND		%	0.100	--

Lab Control Sample Analysis Batch Quality Control

Project Name: ASTORIA HOLDING CORP.

Project Number: 6980

Lab Number: L1414915

Report Date: 07/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-04 Batch: WG704647-1								
Helium	104		-		80-120	-		

Project Name: ASTORIA HOLDING CORP.
Project Number: 6980

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1414915
Report Date: 07/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG704647-3 QC Sample: L1414915-01 Client ID: SSV-PV1						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG704647-4 QC Sample: L1414915-02 Client ID: SSV-PV2						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG704647-5 QC Sample: L1414915-03 Client ID: SSV-GK1						
Helium	0.446	0.446	%	0		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG704647-6 QC Sample: L1414915-04 Client ID: SSV-GK2						
Helium	ND	ND	%	NC		5

Project Name: ASTORIA HOLDING CORP.

Serial_No:07101414:08
Lab Number: L1414915

Project Number: 6980

Report Date: 07/10/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1414915-01	SSV-PV1	0102	#16 SV	06/27/14	104639		-	-	-	Pass	4.2	4.4	5
L1414915-01	SSV-PV1	220	2.7L Can	06/27/14	104639	L1413646-01	Pass	-29.8	-6.2	-	-	-	-
L1414915-02	SSV-PV2	0237	#16 SV	06/27/14	104639		-	-	-	Pass	4.0	4.2	5
L1414915-02	SSV-PV2	147B	2.7L Can	06/27/14	104639	L1413646-01	Pass	-29.9	-7.2	-	-	-	-
L1414915-03	SSV-GK1	0408	#16 AMB	06/27/14	104639		-	-	-	Pass	4.4	4.9	11
L1414915-03	SSV-GK1	113	2.7L Can	06/27/14	104639	L1413646-01	Pass	-29.7	-4.6	-	-	-	-
L1414915-04	SSV-GK2	0049	#90 SV	06/27/14	104639		-	-	-	Pass	4.3	4.5	5
L1414915-04	SSV-GK2	201	2.7L Can	06/27/14	104639	L1413646-01	Pass	-29.9	-5.4	-	-	-	-
L1414915-05	IA-GK	0233	#20 AMB	06/27/14	104639		-	-	-	Pass	9.2	8.8	4
L1414915-05	IA-GK	611	6.0L Can	06/27/14	104639	L1413545-04	Pass	-29.5	-8.3	-	-	-	-
L1414915-06	IA-PV	0563	#20 SV	06/27/14	104639		-	-	-	Pass	10.0	10.7	7
L1414915-06	IA-PV	1522	6.0L Can	06/27/14	104639	L1413545-04	Pass	-29.6	-4.8	-	-	-	-
L1414915-07	OA-AVEL	0491	#20 SV	06/27/14	104639		-	-	-	Pass	10.0	11.1	10
L1414915-07	OA-AVEL	1036	6.0L Can	06/27/14	104639	L1413545-04	Pass	-29.6	-4.2	-	-	-	-
L1414915-08	CAN 1586	0555	#20 AMB	06/27/14	104639		-	-	-	Pass	10.0	10.7	7

Project Name: ASTORIA HOLDING CORP.
Project Number: 6980

Serial_No:07101414:08
Lab Number: L1414915
Report Date: 07/10/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1414915-08	CAN 1586	1586	6.0L Can	06/27/14	104639	L1413545-04	Pass	-29.8	-29.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413545-04
Client ID: CAN 1896 SHELF 43
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/20/14 18:37
Analyst: RY

Date Collected: 06/19/14 15:53
Date Received: 06/20/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413545-04
Client ID: CAN 1896 SHELF 43
Sample Location:

Date Collected: 06/19/14 15:53
Date Received: 06/20/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413545-04
Client ID: CAN 1896 SHELF 43
Sample Location:

Date Collected: 06/19/14 15:53
Date Received: 06/20/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413545**Project Number:** CANISTER QC BAT**Report Date:** 07/10/14**Air Canister Certification Results**

Lab ID: L1413545-04

Date Collected: 06/19/14 15:53

Client ID: CAN 1896 SHELF 43

Date Received: 06/20/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413545**Project Number:** CANISTER QC BAT**Report Date:** 07/10/14**Air Canister Certification Results**

Lab ID: L1413545-04

Date Collected: 06/19/14 15:53

Client ID: CAN 1896 SHELF 43

Date Received: 06/20/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413545**Project Number:** CANISTER QC BAT**Report Date:** 07/10/14**Air Canister Certification Results**

Lab ID: L1413545-04
 Client ID: CAN 1896 SHELF 43
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/20/14 18:37
 Analyst: RY

Date Collected: 06/19/14 15:53
 Date Received: 06/20/14
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413545-04
 Client ID: CAN 1896 SHELF 43
 Sample Location:

Date Collected: 06/19/14 15:53
 Date Received: 06/20/14
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413545**Project Number:** CANISTER QC BAT**Report Date:** 07/10/14**Air Canister Certification Results**

Lab ID: L1413545-04

Date Collected: 06/19/14 15:53

Client ID: CAN 1896 SHELF 43

Date Received: 06/20/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	79		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/23/14 16:21
Analyst: MB

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/10/14**Air Canister Certification Results**

Lab ID: L1413646-01

Date Collected: 06/20/14 16:25

Client ID: CAN 262 SHELF 2

Date Received: 06/21/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/10/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/23/14 16:21
Analyst: MB

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/10/14**Air Canister Certification Results**

Lab ID: L1413646-01

Date Collected: 06/20/14 16:25

Client ID: CAN 262 SHELF 2

Date Received: 06/21/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/10/14**Air Canister Certification Results**

Lab ID: L1413646-01

Date Collected: 06/20/14 16:25

Client ID: CAN 262 SHELF 2

Date Received: 06/21/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: ASTORIA HOLDING CORP.**Lab Number:** L1414915**Project Number:** 6980**Report Date:** 07/10/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1414915-01A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1414915-02A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1414915-03A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1414915-04A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1414915-05A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)
L1414915-06A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)
L1414915-07A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)
L1414915-08A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name: ASTORIA HOLDING CORP.
Project Number: 6980

Lab Number: L1414915
Report Date: 07/10/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: Data Usability Report



Project Name: ASTORIA HOLDING CORP.
Project Number: 6980

Lab Number: L1414915
Report Date: 07/10/14

Data Qualifiers

- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: ASTORIA HOLDING CORP.
Project Number: 6980

Lab Number: L1414915
Report Date: 07/10/14

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.
- 51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC,

SM426C, SM4500NH₃-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables); **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



AIR ANALYSIS

CHAIN OF CUSTODY

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Impact Environmental INCAddress: 170 Keyland CT
Bohemia, NY 11716Phone: 631-269-8800Fax: 631-269-1599Email: gmenendez-chicas@Impactenvironmental.com☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: Astoria Holding Corp.Project Location: 2181-2195 Ralph Avenue
Brooklyn, NYProject #: 6980Project Manager: G. Menendez-Chicas

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)Date Due: 7/10/14

Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX☐ ADEX

Criteria Checker: _____

(Default based on Regulatory Criteria Indicated)

Other Formats: _____

☒ EMAIL (standard pdf report)☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

ALPHA Job #: 1414915

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection										TO-14A	TO-15	TO-16-SHA	APH	FIXED C	TO-13A	TO-4/	Sample Comments (i.e. PID)
		Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller								
14915.01	SSV- PV1	6/30/14	1028	659	-30.48	-6.44	SV	GMC	2.7	220	0102		XX						
02	SSV- PV2		1627	702	-30.36	-7.76	SV	GMC		1478	0237								
03	SSV- GK1		1022	655	-30.34	-4.84	SV	GMC		113	6408								
04	SSV- GK2		1026	653	-30.26	-5.44	SV	GMC	✓	201	0049		✓						
05	1A - GK		1022	654	-29.50	-4.14	AA	GMC	6L	611	0233								
06	1A- PV		1027	654	-29.48	-4.68	AA	GMC		1522	0563								
07	0A - AVEL		1030	700	-30.34	-4.35	AA	GMC	✓	1036	0491		✓						
END OF RECORD																			

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By: [Signature]Date/Time: 7/3/14 1235Received By: [Signature]Date/Time: 7-3-14 1235



ANALYTICAL REPORT

Lab Number:	L1415154
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	GEORGETOWN SHOPPING CTR.
Project Number:	6980
Report Date:	07/14/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415154
Report Date: 07/14/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1415154-01	GW-1 (10-14')	WATER	RALPH AVENUE BROOKLYN, NY	07/08/14 13:15	07/09/14
L1415154-02	GW-2 (20-24')	WATER	RALPH AVENUE BROOKLYN, NY	07/08/14 11:00	07/09/14
L1415154-03	GW-3 (46-50')	WATER	RALPH AVENUE BROOKLYN, NY	07/08/14 09:30	07/09/14

Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415154
Report Date: 07/14/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415154
Report Date: 07/14/14

Case Narrative (continued)

Report Submission

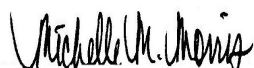
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The sample collection dates were specified by the client.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 07/14/14

ORGANICS

VOLATILES

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-01
Client ID: GW-1 (10-14')
Sample Location: RALPH AVENUE BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/14 12:34
Analyst: PD

Date Collected: 07/08/14 13:15
Date Received: 07/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.4		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.1		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.1		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-01

Date Collected: 07/08/14 13:15

Client ID: GW-1 (10-14')

Date Received: 07/09/14

Sample Location: RALPH AVENUE BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	2.0	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	2.0	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.5	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.5	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	1.3	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-01

Date Collected: 07/08/14 13:15

Client ID: GW-1 (10-14')

Date Received: 07/09/14

Sample Location: RALPH AVENUE BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	101		70-130

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-02
Client ID: GW-2 (20-24')
Sample Location: RALPH AVENUE BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/14 13:02
Analyst: PD

Date Collected: 07/08/14 11:00
Date Received: 07/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.46	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-02

Date Collected: 07/08/14 11:00

Client ID: GW-2 (20-24')

Date Received: 07/09/14

Sample Location: RALPH AVENUE BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-02

Date Collected: 07/08/14 11:00

Client ID: GW-2 (20-24')

Date Received: 07/09/14

Sample Location: RALPH AVENUE BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	102		70-130

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-03
Client ID: GW-3 (46-50')
Sample Location: RALPH AVENUE BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/14 13:29
Analyst: PD

Date Collected: 07/08/14 09:30
Date Received: 07/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.49	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-03

Date Collected: 07/08/14 09:30

Client ID: GW-3 (46-50')

Date Received: 07/09/14

Sample Location: RALPH AVENUE BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	34		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**SAMPLE RESULTS**

Lab ID: L1415154-03

Date Collected: 07/08/14 09:30

Client ID: GW-3 (46-50')

Date Received: 07/09/14

Sample Location: RALPH AVENUE BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	101		70-130

Project Name: GEORGETOWN SHOPPING CTR.

Lab Number: L1415154

Project Number: 6980

Report Date: 07/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/11/14 10:16
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG705101-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17

Project Name: GEORGETOWN SHOPPING CTR.

Lab Number: L1415154

Project Number: 6980

Report Date: 07/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/11/14 10:16
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG705101-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: GEORGETOWN SHOPPING CTR.

Lab Number: L1415154

Project Number: 6980

Report Date: 07/14/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/11/14 10:16
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG705101-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415154

Report Date: 07/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG705101-1 WG705101-2								
Methylene chloride	94		95		70-130	1		20
1,1-Dichloroethane	104		105		70-130	1		20
Chloroform	109		110		70-130	1		20
Carbon tetrachloride	104		103		63-132	1		20
1,2-Dichloropropane	99		100		70-130	1		20
Dibromochloromethane	98		99		63-130	1		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	103		104		70-130	1		20
Chlorobenzene	100		102		75-130	2		20
Trichlorofluoromethane	108		109		62-150	1		20
1,2-Dichloroethane	103		104		70-130	1		20
1,1,1-Trichloroethane	108		108		67-130	0		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	109		110		70-130	1		20
cis-1,3-Dichloropropene	87		88		70-130	1		20
1,1-Dichloropropene	107		106		70-130	1		20
Bromoform	90		90		54-136	0		20
1,1,2,2-Tetrachloroethane	90		90		67-130	0		20
Benzene	101		102		70-130	1		20
Toluene	103		104		70-130	1		20
Ethylbenzene	106		108		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415154

Report Date: 07/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG705101-1 WG705101-2								
Chloromethane	121		123		64-130	2		20
Bromomethane	91		100		39-139	9		20
Vinyl chloride	106		106		55-140	0		20
Chloroethane	120		122		55-138	2		20
1,1-Dichloroethene	105		105		61-145	0		20
trans-1,2-Dichloroethene	104		105		70-130	1		20
Trichloroethene	100		101		70-130	1		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	102		102		70-130	0		20
1,4-Dichlorobenzene	99		101		70-130	2		20
Methyl tert butyl ether	98		100		63-130	2		20
p/m-Xylene	113		114		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	102		103		70-130	1		20
Dibromomethane	94		96		70-130	2		20
1,2,3-Trichloropropane	105		106		64-130	1		20
Acrylonitrile	103		101		70-130	2		20
Styrene	121		122		70-130	1		20
Dichlorodifluoromethane	105		104		36-147	1		20
Acetone	92		94		58-148	2		20
Carbon disulfide	97		97		51-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415154

Report Date: 07/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG705101-1 WG705101-2								
2-Butanone	87		84		63-138	4		20
Vinyl acetate	102		103		70-130	1		20
4-Methyl-2-pentanone	82		83		59-130	1		20
2-Hexanone	93		92		57-130	1		20
Bromochloromethane	102		104		70-130	2		20
2,2-Dichloropropane	109		108		63-133	1		20
1,2-Dibromoethane	99		100		70-130	1		20
1,3-Dichloropropane	102		104		70-130	2		20
1,1,1,2-Tetrachloroethane	115		116		64-130	1		20
Bromobenzene	77		78		70-130	1		20
n-Butylbenzene	108		108		53-136	0		20
sec-Butylbenzene	98		98		70-130	0		20
tert-Butylbenzene	90		91		70-130	1		20
o-Chlorotoluene	103		104		70-130	1		20
p-Chlorotoluene	98		98		70-130	0		20
1,2-Dibromo-3-chloropropane	96		96		41-144	0		20
Hexachlorobutadiene	90		90		63-130	0		20
Isopropylbenzene	76		76		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	85		84		70-130	1		20
n-Propylbenzene	90		91		69-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415154

Report Date: 07/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG705101-1 WG705101-2								
1,2,3-Trichlorobenzene	87		86		70-130	1		20
1,2,4-Trichlorobenzene	95		96		70-130	1		20
1,3,5-Trimethylbenzene	107		108		64-130	1		20
1,2,4-Trimethylbenzene	101		100		70-130	1		20
1,4-Dioxane	99		97		56-162	2		20
p-Diethylbenzene	98		98		70-130	0		20
p-Ethyltoluene	96		97		70-130	1		20
1,2,4,5-Tetramethylbenzene	95		96		70-130	1		20
Ethyl ether	100		101		59-134	1		20
trans-1,4-Dichloro-2-butene	90		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	84		85		70-130
Dibromofluoromethane	105		105		70-130

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1415154-01A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1415154-01B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1415154-01C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1415154-02A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1415154-02B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1415154-02C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1415154-03A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1415154-03B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1415154-03C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415154**Project Number:** 6980**Report Date:** 07/14/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers



Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415154
Report Date: 07/14/14

Data Qualifiers

- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415154
Report Date: 07/14/14

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC,

SM426C, SM4500NH₃-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables); **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL

170 Keyland Court, Bohemia, New York 11716
(Tel) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1



LAB NAME: Alpha Analytical

2/14/15

RECEIVED DATE:

Client Information

Project Information

Analytical Information

Matrix Codes

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Waste Analyst AND
Phone #: 631-269-8800
Fax #: 631-269-1599
E-mail: Arachne@impactenvironmental.com AND Arachne@impactenvironmental.com

Project Name: Georgetown Shopping Ctr.
Street: Ralph Avenue
City: Brooklyn
State: NY
Zip: 11205

Project # 6980
Serial No 0714141

Sampler's Name: Stuart Black
Sampler's Signature: *Stuart Black*

Sample Information

Sample ID: 01 GAD-1 (10-14)
Matrix Code: L G
Sample Type: 1315
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample Collection

Sample # 02 GAD-2 (20-24)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 03 GAD-3 (46-50)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 04 GAD-4 (51-55)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 05 GAD-5 (56-60)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 06 GAD-6 (61-65)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 07 GAD-7 (66-70)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 08 GAD-8 (71-75)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 09 GAD-9 (76-80)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 10 GAD-10 (81-85)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 11 GAD-11 (86-90)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 12 GAD-12 (91-95)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 13 GAD-13 (96-100)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 14 GAD-14 (101-105)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 15 GAD-15 (106-110)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 16 GAD-16 (111-115)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 17 GAD-17 (116-120)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Sample # 18 GAD-18 (121-125)
Matrix Code: L G
Sample Type: 1100
Time of bottles: 3
None: X
ICE: X
HCL: X
Methanol (EPA 5035):
Sodium Bisulfate (EPA 5035):
OTHER (List):

Impact Analytical Package A*

Impact Analytical Package B**

VOCs 8260 (List for NY Part 375 & NJ DCSRS)

SPLP (Mark 'H' in box for 'Hold')

NYCDEP Sewer Discharge Parameters

VOCs 8260 EPA Method

Matrix Codes

L - Liquid

S - Soil

A - Air

OL - Oil

W - Wipe

PC - Paint Chips

SL - Sludge

SD - Solid

DW - Drinking Water

DISS - Dissolved

Sample Type

G - Grab

C - Composite

B - Blank

(LAB USE ONLY)

Turnaround Time (Business Days)

(LAB USE ONLY)

Data Deliverable Information

REFERENCES

NOTES & DIRECTIONS TO THE LAB:

*Package A (Proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits

**Package B (Proprietary) - Same as Package A, plus TCLP Metals & TPH

Alpha Code # 2013020

Relinquished By: *Stuart Black*

Relinquished By: *Stuart Black*

Relinquished By: *Stuart Black*

Relinquished By: *Stuart Black*

Relinquished By: *Stuart Black*

Relinquished By: *Stuart Black*



ANALYTICAL REPORT

Lab Number:	L1415131
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	GEORGETOWN SHOPPING CTR.
Project Number:	6980
Report Date:	07/16/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1415131-01	SG-1	SOIL_VAPOR	2181-2195 RALPH AVE. BROOKLYN, NY	07/08/14 12:49	07/09/14
L1415131-02	SG-2	SOIL_VAPOR	2181-2195 RALPH AVE. BROOKLYN, NY	07/08/14 12:56	07/09/14
L1415131-03	SG-3	SOIL_VAPOR	2181-2195 RALPH AVE. BROOKLYN, NY	07/08/14 13:02	07/09/14
L1415131-04	SG-4	SOIL_VAPOR	2181-2195 RALPH AVE. BROOKLYN, NY	07/08/14 13:05	07/09/14
L1415131-05	SG-5	SOIL_VAPOR	2181-2195 RALPH AVE. BROOKLYN, NY	07/08/14 13:12	07/09/14
L1415131-06	SG-6	SOIL_VAPOR	2181-2195 RALPH AVE. BROOKLYN, NY	07/08/14 13:15	07/09/14
L1415131-07	CAN 173	SOIL_VAPOR	2181-2195 RALPH AVE. BROOKLYN, NY		07/09/14

Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415131
Report Date: 07/16/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415131
Report Date: 07/16/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 27, 2014. The canister certification results are provided as an addendum.

Samples L L1415131-05, -06 and WG704814-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Helium in Air

Samples L1415131-01 through -06: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 07/16/14

AIR

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-01
Client ID: SG-1
Sample Location: 2181-2195 RALPH AVE. BROOKLYN,
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/11/14 19:05
Analyst: RY

Date Collected: 07/08/14 12:49
Date Received: 07/09/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.482	0.200	--	2.38	0.989	--		1
Chloromethane	0.857	0.200	--	1.77	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.82	2.50	--	18.5	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	57.6	1.00	--	137	2.38	--		1
Trichlorofluoromethane	0.491	0.200	--	2.76	1.12	--		1
Isopropanol	2.07	0.500	--	5.09	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	13.4	0.500	--	40.6	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.789	0.200	--	2.46	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.41	0.200	--	13.0	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-01

Date Collected: 07/08/14 12:49

Client ID: SG-1

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	1.84	0.200	--	8.99	0.977	--		1
Tetrahydrofuran	5.26	0.200	--	15.5	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.58	0.200	--	5.57	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.590	0.200	--	1.88	0.639	--		1
Carbon tetrachloride	0.326	0.200	--	2.05	1.26	--		1
Cyclohexane	0.367	0.200	--	1.26	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.460	0.200	--	2.47	1.07	--		1
2,2,4-Trimethylpentane	0.372	0.200	--	1.74	0.934	--		1
Heptane	1.12	0.200	--	4.59	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.535	0.200	--	2.19	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.81	0.200	--	14.4	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	20.6	0.200	--	140	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.936	0.200	--	4.07	0.869	--		1
p/m-Xylene	4.29	0.400	--	18.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-01

Date Collected: 07/08/14 12:49

Client ID: SG-1

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.56	0.200	--	6.78	0.869	--		1
4-Ethyltoluene	0.466	0.200	--	2.29	0.983	--		1
1,3,5-Trimethylbenzene	0.548	0.200	--	2.69	0.983	--		1
1,2,4-Trimethylbenzene	1.87	0.200	--	9.19	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	87		60-140



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-02
 Client ID: SG-2
 Sample Location: 2181-2195 RALPH AVE. BROOKLYN,
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/11/14 19:37
 Analyst: RY

Date Collected: 07/08/14 12:56
 Date Received: 07/09/14
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.524	0.200	--	2.59	0.989	--		1
Chloromethane	0.687	0.200	--	1.42	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.98	2.50	--	18.8	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.0	1.00	--	61.8	2.38	--		1
Trichlorofluoromethane	0.570	0.200	--	3.20	1.12	--		1
Isopropanol	2.08	0.500	--	5.11	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	4.34	0.500	--	13.2	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.819	0.200	--	2.55	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.242	0.200	--	0.959	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.83	0.200	--	8.35	0.590	--		1
cis-1,2-Dichloroethene	0.639	0.200	--	2.53	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-02

Date Collected: 07/08/14 12:56

Client ID: SG-2

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	3.41	0.200	--	16.7	0.977	--		1
Tetrahydrofuran	4.85	0.200	--	14.3	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.02	0.200	--	3.59	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.625	0.200	--	2.00	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.248	0.200	--	0.854	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.29	0.200	--	6.93	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.534	0.200	--	2.19	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.487	0.200	--	2.00	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.54	0.200	--	9.57	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	32.1	0.200	--	218	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.688	0.200	--	2.99	0.869	--		1
p/m-Xylene	3.05	0.400	--	13.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-02

Date Collected: 07/08/14 12:56

Client ID: SG-2

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.23	0.200	--	5.34	0.869	--		1
4-Ethyltoluene	0.337	0.200	--	1.66	0.983	--		1
1,3,5-Trimethylbenzene	0.403	0.200	--	1.98	0.983	--		1
1,2,4-Trimethylbenzene	1.60	0.200	--	7.87	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	108		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	105		60-140



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-03
Client ID: SG-3
Sample Location: 2181-2195 RALPH AVE. BROOKLYN,
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/11/14 20:09
Analyst: RY

Date Collected: 07/08/14 13:02
Date Received: 07/09/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.392	0.200	--	1.94	0.989	--		1
Chloromethane	0.293	0.200	--	0.605	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	13.4	1.00	--	31.8	2.38	--		1
Trichlorofluoromethane	0.573	0.200	--	3.22	1.12	--		1
Isopropanol	0.915	0.500	--	2.25	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.33	0.500	--	7.06	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.86	0.200	--	5.79	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.03	0.200	--	3.04	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-03

Date Collected: 07/08/14 13:02

Client ID: SG-3

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.985	0.200	--	4.81	0.977	--		1
Tetrahydrofuran	1.76	0.200	--	5.19	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	6.86	0.200	--	24.2	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.02	0.200	--	3.26	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.404	0.200	--	1.39	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.20	0.200	--	9.02	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.240	0.200	--	0.984	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.45	0.200	--	13.0	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	3.34	0.200	--	22.6	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.07	0.200	--	4.65	0.869	--		1
p/m-Xylene	4.18	0.400	--	18.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.428	0.200	--	1.82	0.852	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-03

Date Collected: 07/08/14 13:02

Client ID: SG-3

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.49	0.200	--	6.47	0.869	--		1
4-Ethyltoluene	0.282	0.200	--	1.39	0.983	--		1
1,3,5-Trimethylbenzene	0.255	0.200	--	1.25	0.983	--		1
1,2,4-Trimethylbenzene	0.803	0.200	--	3.95	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.293	0.200	--	1.76	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	132		60-140
Bromochloromethane	124		60-140
chlorobenzene-d5	121		60-140



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-04
Client ID: SG-4
Sample Location: 2181-2195 RALPH AVE. BROOKLYN,
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/12/14 09:58
Analyst: RY

Date Collected: 07/08/14 13:05
Date Received: 07/09/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.880	0.200	--	4.35	0.989	--		1
Chloromethane	0.321	0.200	--	0.663	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	8.66	2.50	--	16.3	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.5	1.00	--	62.9	2.38	--		1
Trichlorofluoromethane	0.560	0.200	--	3.15	1.12	--		1
Isopropanol	1.38	0.500	--	3.39	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	4.88	0.500	--	14.8	1.52	--		1
Methylene chloride	1.66	1.00	--	5.77	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.21	0.200	--	3.77	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.52	0.200	--	4.48	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-04

Date Collected: 07/08/14 13:05

Client ID: SG-4

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	1.25	0.200	--	6.10	0.977	--		1
Tetrahydrofuran	1.94	0.200	--	5.72	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.19	0.200	--	7.72	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.998	0.200	--	3.19	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.263	0.200	--	0.905	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	6.74	0.200	--	36.2	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.852	0.200	--	3.49	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.205	0.200	--	0.840	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.18	0.200	--	8.22	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	37.1	0.200	--	252	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.822	0.200	--	3.57	0.869	--		1
p/m-Xylene	4.14	0.400	--	18.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-04

Date Collected: 07/08/14 13:05

Client ID: SG-4

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.48	0.200	--	6.43	0.869	--		1
4-Ethyltoluene	0.375	0.200	--	1.84	0.983	--		1
1,3,5-Trimethylbenzene	0.362	0.200	--	1.78	0.983	--		1
1,2,4-Trimethylbenzene	1.35	0.200	--	6.64	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	96		60-140



Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415131
Report Date: 07/16/14

SAMPLE RESULTS

Lab ID: L1415131-05 D
 Client ID: SG-5
 Sample Location: 2181-2195 RALPH AVE. BROOKLYN,
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/12/14 11:35
 Analyst: RY

Date Collected: 07/08/14 13:12
 Date Received: 07/09/14
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	7.37	--	ND	36.4	--		36.84
Chloromethane	ND	7.37	--	ND	15.2	--		36.84
Freon-114	ND	7.37	--	ND	51.5	--		36.84
Vinyl chloride	ND	7.37	--	ND	18.8	--		36.84
1,3-Butadiene	ND	7.37	--	ND	16.3	--		36.84
Bromomethane	ND	7.37	--	ND	28.6	--		36.84
Chloroethane	ND	7.37	--	ND	19.4	--		36.84
Ethanol	ND	92.1	--	ND	174	--		36.84
Vinyl bromide	ND	7.37	--	ND	32.2	--		36.84
Acetone	59.0	36.8	--	140	87.4	--		36.84
Trichlorofluoromethane	ND	7.37	--	ND	41.4	--		36.84
Isopropanol	ND	18.4	--	ND	45.2	--		36.84
1,1-Dichloroethene	ND	7.37	--	ND	29.2	--		36.84
Tertiary butyl Alcohol	ND	18.4	--	ND	55.8	--		36.84
Methylene chloride	ND	36.8	--	ND	128	--		36.84
3-Chloropropene	ND	7.37	--	ND	23.1	--		36.84
Carbon disulfide	ND	7.37	--	ND	23.0	--		36.84
Freon-113	ND	7.37	--	ND	56.5	--		36.84
trans-1,2-Dichloroethene	ND	7.37	--	ND	29.2	--		36.84
1,1-Dichloroethane	ND	7.37	--	ND	29.8	--		36.84
Methyl tert butyl ether	ND	7.37	--	ND	26.6	--		36.84
2-Butanone	ND	7.37	--	ND	21.7	--		36.84
cis-1,2-Dichloroethene	ND	7.37	--	ND	29.2	--		36.84
Ethyl Acetate	ND	18.4	--	ND	66.3	--		36.84



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-05 D

Date Collected: 07/08/14 13:12

Client ID: SG-5

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	7.37	--	ND	36.0	--		36.84
Tetrahydrofuran	ND	7.37	--	ND	21.7	--		36.84
1,2-Dichloroethane	ND	7.37	--	ND	29.8	--		36.84
n-Hexane	ND	7.37	--	ND	26.0	--		36.84
1,1,1-Trichloroethane	ND	7.37	--	ND	40.2	--		36.84
Benzene	ND	7.37	--	ND	23.5	--		36.84
Carbon tetrachloride	ND	7.37	--	ND	46.4	--		36.84
Cyclohexane	ND	7.37	--	ND	25.4	--		36.84
1,2-Dichloropropane	ND	7.37	--	ND	34.1	--		36.84
Bromodichloromethane	ND	7.37	--	ND	49.4	--		36.84
1,4-Dioxane	ND	7.37	--	ND	26.6	--		36.84
Trichloroethene	20.5	7.37	--	110	39.6	--		36.84
2,2,4-Trimethylpentane	ND	7.37	--	ND	34.4	--		36.84
Heptane	ND	7.37	--	ND	30.2	--		36.84
cis-1,3-Dichloropropene	ND	7.37	--	ND	33.5	--		36.84
4-Methyl-2-pentanone	ND	7.37	--	ND	30.2	--		36.84
trans-1,3-Dichloropropene	ND	7.37	--	ND	33.5	--		36.84
1,1,2-Trichloroethane	ND	7.37	--	ND	40.2	--		36.84
Toluene	ND	7.37	--	ND	27.8	--		36.84
2-Hexanone	ND	7.37	--	ND	30.2	--		36.84
Dibromochloromethane	ND	7.37	--	ND	62.8	--		36.84
1,2-Dibromoethane	ND	7.37	--	ND	56.6	--		36.84
Tetrachloroethene	1790	7.37	--	12100	50.0	--		36.84
Chlorobenzene	ND	7.37	--	ND	33.9	--		36.84
Ethylbenzene	ND	7.37	--	ND	32.0	--		36.84
p/m-Xylene	ND	14.7	--	ND	63.9	--		36.84
Bromoform	ND	7.37	--	ND	76.2	--		36.84
Styrene	ND	7.37	--	ND	31.4	--		36.84



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-05 D

Date Collected: 07/08/14 13:12

Client ID: SG-5

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	7.37	--	ND	50.6	--		36.84
o-Xylene	ND	7.37	--	ND	32.0	--		36.84
4-Ethyltoluene	ND	7.37	--	ND	36.2	--		36.84
1,3,5-Trimethylbenzene	ND	7.37	--	ND	36.2	--		36.84
1,2,4-Trimethylbenzene	ND	7.37	--	ND	36.2	--		36.84
Benzyl chloride	ND	7.37	--	ND	38.2	--		36.84
1,3-Dichlorobenzene	ND	7.37	--	ND	44.3	--		36.84
1,4-Dichlorobenzene	ND	7.37	--	ND	44.3	--		36.84
1,2-Dichlorobenzene	ND	7.37	--	ND	44.3	--		36.84
1,2,4-Trichlorobenzene	ND	7.37	--	ND	54.7	--		36.84
Hexachlorobutadiene	ND	7.37	--	ND	78.6	--		36.84

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	133		60-140
Bromochloromethane	135		60-140
chlorobenzene-d5	119		60-140



Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415131
Report Date: 07/16/14

SAMPLE RESULTS

Lab ID: L1415131-06 D
 Client ID: SG-6
 Sample Location: 2181-2195 RALPH AVE. BROOKLYN,
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/12/14 10:30
 Analyst: RY

Date Collected: 07/08/14 13:15
 Date Received: 07/09/14
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.973	0.667	--	4.81	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	ND	0.667	--	ND	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	ND	8.33	--	ND	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	18.6	3.33	--	44.2	7.91	--		3.333
Trichlorofluoromethane	0.720	0.667	--	4.05	3.75	--		3.333
Isopropanol	ND	1.67	--	ND	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	ND	1.67	--	ND	5.06	--		3.333
Methylene chloride	ND	3.33	--	ND	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	0.673	0.667	--	2.10	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	ND	0.667	--	ND	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-06 D

Date Collected: 07/08/14 13:15

Client ID: SG-6

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	187	0.667	--	913	3.26	--		3.333
Tetrahydrofuran	2.48	0.667	--	7.31	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	3.51	0.667	--	12.4	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	1.22	0.667	--	3.90	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	0.696	0.667	--	2.40	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	1.85	0.667	--	12.4	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	ND	0.667	--	ND	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	1.55	0.667	--	6.35	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	0.667	--	ND	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	3.21	0.667	--	12.1	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	15.1	0.667	--	102	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	0.780	0.667	--	3.39	2.90	--		3.333
p/m-Xylene	3.14	1.33	--	13.6	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-06 D

Date Collected: 07/08/14 13:15

Client ID: SG-6

Date Received: 07/09/14

Sample Location: 2181-2195 RALPH AVE. BROOKLYN,

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	1.18	0.667	--	5.13	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	0.950	0.667	--	4.67	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	136		60-140
Bromochloromethane	130		60-140
chlorobenzene-d5	125		60-140



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/11/14 15:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG704814-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/11/14 15:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG704814-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/11/14 15:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG704814-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG704814-3								
Chlorodifluoromethane	95		-		70-130	-		
Propylene	101		-		70-130	-		
Propane	80		-		70-130	-		
Dichlorodifluoromethane	112		-		70-130	-		
Chloromethane	85		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	97		-		70-130	-		
Methanol	67	Q	-		70-130	-		
Vinyl chloride	84		-		70-130	-		
1,3-Butadiene	91		-		70-130	-		
Butane	80		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	81		-		70-130	-		
Ethyl Alcohol	81		-		70-130	-		
Dichlorofluoromethane	88		-		70-130	-		
Vinyl bromide	84		-		70-130	-		
Acrolein	68	Q	-		70-130	-		
Acetone	108		-		70-130	-		
Acetonitrile	73		-		70-130	-		
Trichlorofluoromethane	111		-		70-130	-		
iso-Propyl Alcohol	82		-		70-130	-		
Acrylonitrile	72		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG704814-3								
Pentane	75		-		70-130	-		
Ethyl ether	88		-		70-130	-		
1,1-Dichloroethene	98		-		70-130	-		
tert-Butyl Alcohol	71		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	115		-		70-130	-		
Carbon disulfide	83		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		-		70-130	-		
trans-1,2-Dichloroethene	83		-		70-130	-		
1,1-Dichloroethane	90		-		70-130	-		
Methyl tert butyl ether	84		-		70-130	-		
Vinyl acetate	91		-		70-130	-		
2-Butanone	88		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		
Ethyl Acetate	77		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	82		-		70-130	-		
2,2-Dichloropropane	87		-		70-130	-		
1,2-Dichloroethane	109		-		70-130	-		
n-Hexane	98		-		70-130	-		
Isopropyl Ether	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG704814-3								
Ethyl-Tert-Butyl-Ether	90		-		70-130	-		
1,1,1-Trichloroethane	122		-		70-130	-		
1,1-Dichloropropene	98		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	128		-		70-130	-		
Cyclohexane	89		-		70-130	-		
Tertiary-Amyl Methyl Ether	87		-		70-130	-		
Dibromomethane	103		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	113		-		70-130	-		
1,4-Dioxane	82		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	90		-		70-130	-		
Methyl methacrylate	101		-		70-130	-		
Heptane	97		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	104		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	72		-		70-130	-		
1,3-Dichloropropane	70		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG704814-3								
2-Hexanone	74		-		70-130	-		
Dibromochloromethane	84		-		70-130	-		
1,2-Dibromoethane	81		-		70-130	-		
Butyl Acetate	56	Q	-		70-130	-		
Octane	66	Q	-		70-130	-		
Tetrachloroethene	86		-		70-130	-		
1,1,1,2-Tetrachloroethane	80		-		70-130	-		
Chlorobenzene	80		-		70-130	-		
Ethylbenzene	82		-		70-130	-		
p/m-Xylene	80		-		70-130	-		
Bromoform	88		-		70-130	-		
Styrene	86		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	94		-		70-130	-		
1,2,3-Trichloropropane	88		-		70-130	-		
Nonane (C9)	89		-		70-130	-		
Isopropylbenzene	92		-		70-130	-		
Bromobenzene	90		-		70-130	-		
o-Chlorotoluene	92		-		70-130	-		
n-Propylbenzene	93		-		70-130	-		
p-Chlorotoluene	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG704814-3								
4-Ethyltoluene	88		-		70-130	-		
1,3,5-Trimethylbenzene	98		-		70-130	-		
tert-Butylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	106		-		70-130	-		
Decane (C10)	93		-		70-130	-		
Benzyl chloride	96		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
sec-Butylbenzene	94		-		70-130	-		
p-Isopropyltoluene	92		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
n-Butylbenzene	102		-		70-130	-		
1,2-Dibromo-3-chloropropane	102		-		70-130	-		
Undecane	110		-		70-130	-		
Dodecane (C12)	38	Q	-		70-130	-		
1,2,4-Trichlorobenzene	126		-		70-130	-		
Naphthalene	109		-		70-130	-		
1,2,3-Trichlorobenzene	100		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG704814-5 QC Sample: L1415131-06 Client ID: SG-6						
Dichlorodifluoromethane	0.973	0.960	ppbV	1		25
Chloromethane	ND	0.950	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	18.6	17.6	ppbV	6		25
Trichlorofluoromethane	0.720	0.683	ppbV	5		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.673	0.723	ppbV	7		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG704814-5 QC Sample: L1415131-06 Client ID: SG-6					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	187	190	ppbV	2	25
Tetrahydrofuran	2.48	2.41	ppbV	3	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	3.51	3.69	ppbV	5	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	1.22	1.39	ppbV	13	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	0.696	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	1.85	1.51	ppbV	20	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	1.55	1.67	ppbV	7	25

Lab Duplicate Analysis Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG704814-5 QC Sample: L1415131-06 Client ID: SG-6					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	3.21	3.41	ppbV	6	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	15.1	15.4	ppbV	2	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.780	0.810	ppbV	4	25
p/m-Xylene	3.14	3.45	ppbV	9	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	1.18	1.34	ppbV	13	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.950	1.02	ppbV	7	25

Lab Duplicate Analysis Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG704814-5 QC Sample: L1415131-06 Client ID: SG-6					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-01 D
Client ID: SG-1
Sample Location: 2181-2195 RALPH AVE. BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/15/14 17:29
Analyst: MB

Date Collected: 07/08/14 12:49
Date Received: 07/09/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	0.925		%	0.241	--	2.41
--------	-------	--	---	-------	----	------

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-02 D
Client ID: SG-2
Sample Location: 2181-2195 RALPH AVE. BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/15/14 18:03
Analyst: MB

Date Collected: 07/08/14 12:56
Date Received: 07/09/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	ND		%	0.260	--	2.597
--------	----	--	---	-------	----	-------

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-03 D
Client ID: SG-3
Sample Location: 2181-2195 RALPH AVE. BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/15/14 18:38
Analyst: MB

Date Collected: 07/08/14 13:02
Date Received: 07/09/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	ND		%	0.225	--	2.247
--------	----	--	---	-------	----	-------

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-04 D
Client ID: SG-4
Sample Location: 2181-2195 RALPH AVE. BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/15/14 19:13
Analyst: MB

Date Collected: 07/08/14 13:05
Date Received: 07/09/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	ND		%	0.247	--	2.469
--------	----	--	---	-------	----	-------

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-05 D
Client ID: SG-5
Sample Location: 2181-2195 RALPH AVE. BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/15/14 19:48
Analyst: MB

Date Collected: 07/08/14 13:12
Date Received: 07/09/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	ND		%	0.147	--	1.471
--------	----	--	---	-------	----	-------

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**SAMPLE RESULTS**

Lab ID: L1415131-06 D
Client ID: SG-6
Sample Location: 2181-2195 RALPH AVE. BROOKLYN, NY
Matrix: Soil_Vapor
Analytical Method: 51,3C
Analytical Date: 07/15/14 20:23
Analyst: MB

Date Collected: 07/08/14 13:15
Date Received: 07/09/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Fixed Gases by GC - Mansfield Lab

Helium	ND		%	0.256	--	2.564
--------	----	--	---	-------	----	-------

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 51,3C

Analytical Date: 07/15/14 16:59

Analyst: MB

Parameter	Result	Qualifier	Units	RL	MDL
Fixed Gases by GC - Mansfield Lab for sample(s): 01-06 Batch: WG705952-2					
Helium	ND		%	0.100	--

Lab Control Sample Analysis**Batch Quality Control****Project Name:** GEORGETOWN SHOPPING CTR.**Project Number:** 6980**Lab Number:** L1415131**Report Date:** 07/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 Batch: WG705952-1								
Helium	103		-		80-120	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: GEORGETOWN SHOPPING CTR.

Project Number: 6980

Lab Number: L1415131

Report Date: 07/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG705952-3 QC Sample: L1415131-01 Client ID: SG-1						
Helium	0.925	0.928	%	0		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG705952-4 QC Sample: L1415131-02 Client ID: SG-2						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG705952-5 QC Sample: L1415131-03 Client ID: SG-3						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG705952-6 QC Sample: L1415131-04 Client ID: SG-4						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG705952-7 QC Sample: L1415131-05 Client ID: SG-5						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG705952-8 QC Sample: L1415131-06 Client ID: SG-6						
Helium	ND	ND	%	NC		5

Project Name: GEORGETOWN SHOPPING CTR.

Serial_No:07161414:18
Lab Number: L1415131

Project Number: 6980

Report Date: 07/16/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1415131-01	SG-1	0174	#20 SV	06/27/14	104639		-	-	-	Pass	18.0	18.8	4
L1415131-01	SG-1	408	2.7L Can	06/27/14	104639	L1413646-01	Pass	-29.9	-6.1	-	-	-	-
L1415131-02	SG-2	0046	#30 AMB	06/27/14	104639		-	-	-	Pass	17.8	18.7	5
L1415131-02	SG-2	341	2.7L Can	06/27/14	104639	L1413646-01	Pass	-30.0	-7.4	-	-	-	-
L1415131-03	SG-3	0042	#30 SV	06/27/14	104639		-	-	-	Pass	18.0	18.8	4
L1415131-03	SG-3	457	2.7L Can	06/27/14	104639	L1413646-01	Pass	-29.9	-4.8	-	-	-	-
L1415131-04	SG-4	0119	#20 SV	06/27/14	104639		-	-	-	Pass	18.0	19.0	5
L1415131-04	SG-4	130	2.7L Can	06/27/14	104639	L1413646-02	Pass	-29.0	-3.7	-	-	-	-
L1415131-05	SG-5	0581	#30 SV	06/27/14	104639		-	-	-	Pass	18.0	20.3	12
L1415131-05	SG-5	467	2.7L Can	06/27/14	104639	L1413646-01	Pass	-29.7	-1.6	-	-	-	-
L1415131-06	SG-6	0005	#30 AMB	06/27/14	104639		-	-	-	Pass	18.0	17.8	1
L1415131-06	SG-6	125	2.7L Can	06/27/14	104639	L1413646-01	Pass	-29.9	-8.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/23/14 16:21
Analyst: MB

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/16/14**Air Canister Certification Results**

Lab ID: L1413646-01

Date Collected: 06/20/14 16:25

Client ID: CAN 262 SHELF 2

Date Received: 06/21/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/23/14 16:21
Analyst: MB

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-01
Client ID: CAN 262 SHELF 2
Sample Location:

Date Collected: 06/20/14 16:25
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/16/14**Air Canister Certification Results**

Lab ID: L1413646-01

Date Collected: 06/20/14 16:25

Client ID: CAN 262 SHELF 2

Date Received: 06/21/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/16/14**Air Canister Certification Results**

Lab ID: L1413646-02
Client ID: CAN 380 SHELF 9
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/23/14 16:52
Analyst: MB

Date Collected: 06/20/14 16:20
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-02
Client ID: CAN 380 SHELF 9
Sample Location:

Date Collected: 06/20/14 16:20
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-02
Client ID: CAN 380 SHELF 9
Sample Location:

Date Collected: 06/20/14 16:20
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/16/14**Air Canister Certification Results**

Lab ID: L1413646-02

Date Collected: 06/20/14 16:20

Client ID: CAN 380 SHELF 9

Date Received: 06/21/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Silanol, Trimethyl-	1.2	NJ	ppbV		1

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/16/14**Air Canister Certification Results**

Lab ID: L1413646-02

Date Collected: 06/20/14 16:20

Client ID: CAN 380 SHELF 9

Date Received: 06/21/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/16/14**Air Canister Certification Results**

Lab ID: L1413646-02
Client ID: CAN 380 SHELF 9
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/23/14 16:52
Analyst: MB

Date Collected: 06/20/14 16:20
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413646
Report Date: 07/16/14

Air Canister Certification Results

Lab ID: L1413646-02
Client ID: CAN 380 SHELF 9
Sample Location:

Date Collected: 06/20/14 16:20
Date Received: 06/21/14
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1413646**Project Number:** CANISTER QC BAT**Report Date:** 07/16/14**Air Canister Certification Results**

Lab ID: L1413646-02

Date Collected: 06/20/14 16:20

Client ID: CAN 380 SHELF 9

Date Received: 06/21/14

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	97		60-140

Project Name: GEORGETOWN SHOPPING CTR.**Lab Number:** L1415131**Project Number:** 6980**Report Date:** 07/16/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1415131-01A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1415131-02A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1415131-03A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1415131-04A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1415131-05A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1415131-06A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	FIXGAS(30),TO15-LL(30)
L1415131-07A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415131
Report Date: 07/16/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: Data Usability Report



Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415131
Report Date: 07/16/14

Data Qualifiers

- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: GEORGETOWN SHOPPING CTR.
Project Number: 6980

Lab Number: L1415131
Report Date: 07/16/14

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.
- 51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC,

SM426C, SM4500NH₃-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables); **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

AIR ANALYSIS

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Impact Environmental

Address: 170 Keyhole Ct.

Bohemia, NY 11716

Phone: 631-269-8800

Fax: 631-269-1599

Email: gmundez-chiles@impactenvironmental.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: Georgetown Shopping Ctr.

Project Location: 2181-2195 Ralph Ave.
Brooklyn, NY

Project #: 6980

Project Manager: G. Mendez-Chiles

ALPHA Quote #: 2013020

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due: 7/15/14

Time: 12:00pm

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX☐ ADEX

Criteria Checker: _____

(Default based on Regulatory Criteria Indicated)

Other Formats: _____

☒ EMAIL (standard pdf report)☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

ALPHA Job #: L1415731

Billing Information

☒ Same as Client info

PO #: _____

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection										TO-14A	TO-15	TO-46C	APH	FIXED	TO-13A	TO-47	Sample Comments (i.e. PID)
		Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller								
15131.01	SG-1	7/8	10:47	12:49	-30.41	-5.37	SV	MT	2.87	408	0174		X	X					
02	SG-2	↓	10:48	12:56	-30.74	-6.49	↓	↓	2.7L	341	0046	↓	↓						
03	SG-3		10:48	13:02	-29.71	-3.93				457	0042								
04	SG-4		10:52	13:05	-29.56	-1.89				130	0119								
05	SG-5		10:53	13:12	-30.01	-0.68				467	0081								
06	SG-6		10:54	13:15	-28.56	-7.64				125	0005								
END OF RECORD																			

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

Sonoma

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time

Received By:

Date/Time:



ANALYTICAL REPORT

Lab Number:	L1415475
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	GEORGETOWN SHIPPING PLAZA
Project Number:	6980
Report Date:	07/15/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1415475-01	MW2 (13-14')	WOOD	2181-2195 RALPH AVE., BROOKLYN, NY	07/09/14 10:00	07/11/14
L1415475-02	MW2 (24-25')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	07/09/14 10:30	07/11/14
L1415475-03	MW2 (40-41')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	07/09/14 11:15	07/11/14

Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 07/15/14

ORGANICS

VOLATILES

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-01 D
 Client ID: MW2 (13-14')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Wood
 Analytical Method: 1,8260C
 Analytical Date: 07/14/14 14:02
 Analyst: BN
 Percent Solids: 29%

Date Collected: 07/09/14 10:00
 Date Received: 07/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1700	190	50
1,1-Dichloroethane	ND		ug/kg	260	15.	50
Chloroform	ND		ug/kg	260	64.	50
Carbon tetrachloride	ND		ug/kg	170	36.	50
1,2-Dichloropropane	ND		ug/kg	600	39.	50
Dibromochloromethane	ND		ug/kg	170	53.	50
1,1,2-Trichloroethane	ND		ug/kg	260	52.	50
Tetrachloroethene	160	J	ug/kg	170	24.	50
Chlorobenzene	ND		ug/kg	170	60.	50
Trichlorofluoromethane	ND		ug/kg	860	67.	50
1,2-Dichloroethane	ND		ug/kg	170	20.	50
1,1,1-Trichloroethane	ND		ug/kg	170	19.	50
Bromodichloromethane	ND		ug/kg	170	30.	50
trans-1,3-Dichloropropene	ND		ug/kg	170	21.	50
cis-1,3-Dichloropropene	ND		ug/kg	170	20.	50
1,3-Dichloropropene, Total	ND		ug/kg	170	20.	50
1,1-Dichloropropene	ND		ug/kg	860	24.	50
Bromoform	ND		ug/kg	690	41.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	170	17.	50
Benzene	ND		ug/kg	170	20.	50
Toluene	120	J	ug/kg	260	34.	50
Ethylbenzene	ND		ug/kg	170	22.	50
Chloromethane	ND		ug/kg	860	51.	50
Bromomethane	ND		ug/kg	350	58.	50
Vinyl chloride	ND		ug/kg	350	20.	50
Chloroethane	ND		ug/kg	350	55.	50
1,1-Dichloroethene	ND		ug/kg	170	45.	50
trans-1,2-Dichloroethene	ND		ug/kg	260	37.	50
Trichloroethene	ND		ug/kg	170	22.	50
1,2-Dichlorobenzene	ND		ug/kg	860	26.	50

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-01 D
 Client ID: MW2 (13-14)
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Date Collected: 07/09/14 10:00
 Date Received: 07/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	860	23.	50
1,4-Dichlorobenzene	ND		ug/kg	860	24.	50
Methyl tert butyl ether	ND		ug/kg	350	15.	50
p/m-Xylene	ND		ug/kg	350	34.	50
o-Xylene	ND		ug/kg	350	30.	50
Xylenes, Total	ND		ug/kg	350	30.	50
cis-1,2-Dichloroethene	ND		ug/kg	170	25.	50
1,2-Dichloroethene, Total	ND		ug/kg	170	25.	50
Dibromomethane	ND		ug/kg	1700	28.	50
Styrene	ND		ug/kg	350	54.	50
Dichlorodifluoromethane	ND		ug/kg	1700	33.	50
Acetone	ND		ug/kg	1700	180	50
Carbon disulfide	ND		ug/kg	1700	190	50
2-Butanone	ND		ug/kg	1700	47.	50
Vinyl acetate	ND		ug/kg	1700	23.	50
4-Methyl-2-pentanone	ND		ug/kg	1700	42.	50
1,2,3-Trichloropropane	ND		ug/kg	1700	28.	50
2-Hexanone	ND		ug/kg	1700	120	50
Bromochloromethane	ND		ug/kg	860	48.	50
2,2-Dichloropropane	ND		ug/kg	860	39.	50
1,2-Dibromoethane	ND		ug/kg	690	30.	50
1,3-Dichloropropane	ND		ug/kg	860	25.	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	170	55.	50
Bromobenzene	ND		ug/kg	860	36.	50
n-Butylbenzene	ND		ug/kg	170	20.	50
sec-Butylbenzene	ND		ug/kg	170	21.	50
tert-Butylbenzene	ND		ug/kg	860	23.	50
o-Chlorotoluene	ND		ug/kg	860	28.	50
p-Chlorotoluene	ND		ug/kg	860	27.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	860	68.	50
Hexachlorobutadiene	ND		ug/kg	860	39.	50
Isopropylbenzene	ND		ug/kg	170	18.	50
p-Isopropyltoluene	190		ug/kg	170	22.	50
Naphthalene	26000		ug/kg	860	24.	50
Acrylonitrile	ND		ug/kg	1700	89.	50
n-Propylbenzene	ND		ug/kg	170	19.	50
1,2,3-Trichlorobenzene	ND		ug/kg	860	26.	50
1,2,4-Trichlorobenzene	ND		ug/kg	860	31.	50
1,3,5-Trimethylbenzene	ND		ug/kg	860	25.	50

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-01 D
 Client ID: MW2 (13-14')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Date Collected: 07/09/14 10:00
 Date Received: 07/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	860	24.	50
1,4-Dioxane	ND		ug/kg	17000	2500	50
p-Diethylbenzene	42	J	ug/kg	690	28.	50
p-Ethyltoluene	48	J	ug/kg	690	21.	50
1,2,4,5-Tetramethylbenzene	ND		ug/kg	690	22.	50
Ethyl ether	ND		ug/kg	860	45.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	860	68.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	91		70-130

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-02
 Client ID: MW2 (24-25')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/12/14 18:19
 Analyst: MV
 Percent Solids: 87%

Date Collected: 07/09/14 10:30
 Date Received: 07/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	5.7	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.18	1

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-02
 Client ID: MW2 (24-25')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Date Collected: 07/09/14 10:30
 Date Received: 07/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.19	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	3.0	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.3	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.19	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.16	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.59	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-02

Date Collected: 07/09/14 10:30

Client ID: MW2 (24-25')

Date Received: 07/11/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	95		70-130

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-03
 Client ID: MW2 (40-41')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/12/14 18:46
 Analyst: MV
 Percent Solids: 87%

Date Collected: 07/09/14 11:15
 Date Received: 07/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-03
 Client ID: MW2 (40-41')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Date Collected: 07/09/14 11:15
 Date Received: 07/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.31	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.59	1
n-Propylbenzene	ND		ug/kg	1.2	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**SAMPLE RESULTS**

Lab ID: L1415475-03

Date Collected: 07/09/14 11:15

Client ID: MW2 (40-41')

Date Received: 07/11/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	16.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	95		70-130

Project Name: GEORGETOWN SHIPPING PLAZA

Lab Number: L1415475

Project Number: 6980

Report Date: 07/15/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/12/14 10:22
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG705384-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: GEORGETOWN SHIPPING PLAZA

Lab Number: L1415475

Project Number: 6980

Report Date: 07/15/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/12/14 10:22
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG705384-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	0.81	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: GEORGETOWN SHIPPING PLAZA

Lab Number: L1415475

Project Number: 6980

Report Date: 07/15/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/12/14 10:22
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG705384-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: GEORGETOWN SHIPPING PLAZA

Lab Number: L1415475

Project Number: 6980

Report Date: 07/15/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/12/14 10:22
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG705384-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	96		70-130

Project Name: GEORGETOWN SHIPPING PLAZA

Lab Number: L1415475

Project Number: 6980

Report Date: 07/15/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/14/14 08:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG705725-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: GEORGETOWN SHIPPING PLAZA

Lab Number: L1415475

Project Number: 6980

Report Date: 07/15/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/14/14 08:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG705725-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: GEORGETOWN SHIPPING PLAZA

Lab Number: L1415475

Project Number: 6980

Report Date: 07/15/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/14/14 08:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG705725-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: GEORGETOWN SHIPPING PLAZA

Lab Number: L1415475

Project Number: 6980

Report Date: 07/15/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/14/14 08:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG705725-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHIPPING PLAZA

Project Number: 6980

Lab Number: L1415475

Report Date: 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG705384-1 WG705384-2								
Methylene chloride	92		94		70-130	2		30
1,1-Dichloroethane	89		95		70-130	7		30
Chloroform	85		90		70-130	6		30
Carbon tetrachloride	93		100		70-130	7		30
1,2-Dichloropropane	88		93		70-130	6		30
Dibromochloromethane	88		92		70-130	4		30
2-Chloroethylvinyl ether	82		85		70-130	4		30
1,1,2-Trichloroethane	92		93		70-130	1		30
Tetrachloroethene	96		101		70-130	5		30
Chlorobenzene	90		94		70-130	4		30
Trichlorofluoromethane	113		118		70-139	4		30
1,2-Dichloroethane	84		86		70-130	2		30
1,1,1-Trichloroethane	88		94		70-130	7		30
Bromodichloromethane	84		88		70-130	5		30
trans-1,3-Dichloropropene	88		91		70-130	3		30
cis-1,3-Dichloropropene	87		91		70-130	4		30
1,1-Dichloropropene	90		97		70-130	7		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	88		90		70-130	2		30
Benzene	88		94		70-130	7		30
Toluene	88		94		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHIPPING PLAZA

Project Number: 6980

Lab Number: L1415475

Report Date: 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG705384-1 WG705384-2								
Ethylbenzene	90		95		70-130	5		30
Chloromethane	105		110		52-130	5		30
Bromomethane	129		130		57-147	1		30
Vinyl chloride	100		106		67-130	6		30
Chloroethane	89		89		50-151	0		30
1,1-Dichloroethene	94		102		65-135	8		30
trans-1,2-Dichloroethene	90		96		70-130	6		30
Trichloroethene	89		94		70-130	5		30
1,2-Dichlorobenzene	88		94		70-130	7		30
1,3-Dichlorobenzene	91		96		70-130	5		30
1,4-Dichlorobenzene	91		94		70-130	3		30
Methyl tert butyl ether	85		87		66-130	2		30
p/m-Xylene	93		98		70-130	5		30
o-Xylene	92		97		70-130	5		30
cis-1,2-Dichloroethene	88		93		70-130	6		30
Dibromomethane	86		88		70-130	2		30
Styrene	93		97		70-130	4		30
Dichlorodifluoromethane	106		114		30-146	7		30
Acetone	84		86		54-140	2		30
Carbon disulfide	96		103		59-130	7		30
2-Butanone	85		90		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHIPPING PLAZA

Project Number: 6980

Lab Number: L1415475

Report Date: 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG705384-1 WG705384-2								
Vinyl acetate	82		84		70-130	2		30
4-Methyl-2-pentanone	85		88		70-130	3		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	83		87		70-130	5		30
Bromochloromethane	91		95		70-130	4		30
2,2-Dichloropropane	89		95		70-130	7		30
1,2-Dibromoethane	89		92		70-130	3		30
1,3-Dichloropropane	89		91		69-130	2		30
1,1,1,2-Tetrachloroethane	89		92		70-130	3		30
Bromobenzene	90		96		70-130	6		30
n-Butylbenzene	92		98		70-130	6		30
sec-Butylbenzene	92		98		70-130	6		30
tert-Butylbenzene	91		97		70-130	6		30
o-Chlorotoluene	95		100		70-130	5		30
p-Chlorotoluene	87		93		70-130	7		30
1,2-Dibromo-3-chloropropane	84		87		68-130	4		30
Hexachlorobutadiene	90		98		67-130	9		30
Isopropylbenzene	91		98		70-130	7		30
p-Isopropyltoluene	92		99		70-130	7		30
Naphthalene	87		90		70-130	3		30
Acrylonitrile	95		92		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHIPPING PLAZA

Project Number: 6980

Lab Number: L1415475

Report Date: 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG705384-1 WG705384-2								
Diisopropyl Ether	92		96		66-130	4		30
Tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	91		97		70-130	6		30
1,2,3-Trichlorobenzene	87		90		70-130	3		30
1,2,4-Trichlorobenzene	89		93		70-130	4		30
1,3,5-Trimethylbenzene	90		96		70-130	6		30
1,2,4-Trimethylbenzene	90		95		70-130	5		30
Methyl Acetate	84		88		51-146	5		30
Ethyl Acetate	84		87		70-130	4		30
Acrolein	83		82		70-130	1		30
Cyclohexane	96		104		59-142	8		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	100		106		50-139	6		30
p-Diethylbenzene	94		100		70-130	6		30
p-Ethyltoluene	91		97		70-130	6		30
1,2,4,5-Tetramethylbenzene	90		96		70-130	6		30
Tetrahydrofuran	86		84		66-130	2		30
Ethyl ether	82		94		67-130	14		30
trans-1,4-Dichloro-2-butene	74		78		70-130	5		30
Methyl cyclohexane	99		106		70-130	7		30
Ethyl-Tert-Butyl-Ether	90		93		70-130	3		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG705384-1 WG705384-2								
Tertiary-Amyl Methyl Ether	87		90		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		91		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	95		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHIPPING PLAZA

Project Number: 6980

Lab Number: L1415475

Report Date: 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG705725-1 WG705725-2								
Methylene chloride	86		82		70-130	5		30
1,1-Dichloroethane	86		81		70-130	6		30
Chloroform	84		81		70-130	4		30
Carbon tetrachloride	90		82		70-130	9		30
1,2-Dichloropropane	87		84		70-130	4		30
Dibromochloromethane	89		87		70-130	2		30
2-Chloroethylvinyl ether	81		83		70-130	2		30
1,1,2-Trichloroethane	91		89		70-130	2		30
Tetrachloroethene	94		86		70-130	9		30
Chlorobenzene	90		85		70-130	6		30
Trichlorofluoromethane	99		86		70-139	14		30
1,2-Dichloroethane	82		81		70-130	1		30
1,1,1-Trichloroethane	86		78		70-130	10		30
Bromodichloromethane	84		82		70-130	2		30
trans-1,3-Dichloropropene	88		86		70-130	2		30
cis-1,3-Dichloropropene	88		85		70-130	3		30
1,1-Dichloropropene	87		80		70-130	8		30
Bromoform	88		88		70-130	0		30
1,1,2,2-Tetrachloroethane	87		88		70-130	1		30
Benzene	87		81		70-130	7		30
Toluene	88		82		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHIPPING PLAZA

Project Number: 6980

Lab Number: L1415475

Report Date: 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG705725-1 WG705725-2								
Ethylbenzene	89		82		70-130	8		30
Chloromethane	86		75		52-130	14		30
Bromomethane	112		97		57-147	14		30
Vinyl chloride	84		74		67-130	13		30
Chloroethane	79		62		50-151	24		30
1,1-Dichloroethene	88		79		65-135	11		30
trans-1,2-Dichloroethene	87		80		70-130	8		30
Trichloroethene	86		81		70-130	6		30
1,2-Dichlorobenzene	90		87		70-130	3		30
1,3-Dichlorobenzene	90		87		70-130	3		30
1,4-Dichlorobenzene	91		87		70-130	4		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	92		86		70-130	7		30
cis-1,2-Dichloroethene	87		82		70-130	6		30
Dibromomethane	86		84		70-130	2		30
Styrene	94		89		70-130	5		30
Dichlorodifluoromethane	82		73		30-146	12		30
Acetone	81		80		54-140	1		30
Carbon disulfide	84		75		59-130	11		30
2-Butanone	82		84		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHIPPING PLAZA

Project Number: 6980

Lab Number: L1415475

Report Date: 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG705725-1 WG705725-2								
Vinyl acetate	80		80		70-130	0		30
4-Methyl-2-pentanone	86		89		70-130	3		30
1,2,3-Trichloropropane	85		86		68-130	1		30
2-Hexanone	82		85		70-130	4		30
Bromochloromethane	92		89		70-130	3		30
2,2-Dichloropropane	86		79		70-130	8		30
1,2-Dibromoethane	89		89		70-130	0		30
1,3-Dichloropropane	88		87		69-130	1		30
1,1,1,2-Tetrachloroethane	89		86		70-130	3		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	89		82		70-130	8		30
sec-Butylbenzene	90		83		70-130	8		30
tert-Butylbenzene	90		83		70-130	8		30
o-Chlorotoluene	94		81		70-130	15		30
p-Chlorotoluene	87		82		70-130	6		30
1,2-Dibromo-3-chloropropane	83		86		68-130	4		30
Hexachlorobutadiene	90		83		67-130	8		30
Isopropylbenzene	90		83		70-130	8		30
p-Isopropyltoluene	90		84		70-130	7		30
Naphthalene	87		88		70-130	1		30
Acrylonitrile	88		92		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHIPPING PLAZA

Project Number: 6980

Lab Number: L1415475

Report Date: 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG705725-1 WG705725-2								
Diisopropyl Ether	90		88		66-130	2		30
Tert-Butyl Alcohol	84		89		70-130	6		30
n-Propylbenzene	89		82		70-130	8		30
1,2,3-Trichlorobenzene	88		86		70-130	2		30
1,2,4-Trichlorobenzene	90		88		70-130	2		30
1,3,5-Trimethylbenzene	89		84		70-130	6		30
1,2,4-Trimethylbenzene	89		84		70-130	6		30
Methyl Acetate	81		81		51-146	0		30
Ethyl Acetate	83		86		70-130	4		30
Acrolein	76		79		70-130	4		30
Cyclohexane	90		80		59-142	12		30
1,4-Dioxane	87		92		65-136	6		30
Freon-113	94		84		50-139	11		30
p-Diethylbenzene	93		86		70-130	8		30
p-Ethyltoluene	89		83		70-130	7		30
1,2,4,5-Tetramethylbenzene	91		87		70-130	4		30
Tetrahydrofuran	82		89		66-130	8		30
Ethyl ether	90		89		67-130	1		30
trans-1,4-Dichloro-2-butene	74		75		70-130	1		30
Methyl cyclohexane	95		85		70-130	11		30
Ethyl-Tert-Butyl-Ether	89		88		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** GEORGETOWN SHIPPING PLAZA**Project Number:** 6980**Lab Number:** L1415475**Report Date:** 07/15/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG705725-1 WG705725-2								
Tertiary-Amyl Methyl Ether	88		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	94		95		70-130

INORGANICS & MISCELLANEOUS

Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

SAMPLE RESULTS

Lab ID: L1415475-01
Client ID: MW2 (13-14')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN
Matrix: Wood

Date Collected: 07/09/14 10:00
Date Received: 07/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	28.9		%	0.100	NA	1	-	07/14/14 18:59	30,2540G	RT



Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

SAMPLE RESULTS

Lab ID: L1415475-02
Client ID: MW2 (24-25')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN
Matrix: Soil

Date Collected: 07/09/14 10:30
Date Received: 07/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	07/12/14 02:04	30,2540G	RT



Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

SAMPLE RESULTS

Lab ID: L1415475-03
Client ID: MW2 (40-41')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN
Matrix: Soil

Date Collected: 07/09/14 11:15
Date Received: 07/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	07/12/14 02:04	30,2540G	RT



Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1415475
Report Date: 07/15/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG705241-1 QC Sample: L1415480-01 Client ID: DUP Sample						
Solids, Total	93.9	94.1	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG705648-1 QC Sample: L1415475-01 Client ID: MW2 (13-14')						
Solids, Total	28.9	32.3	%	11		20

Project Name: GEORGETOWN SHIPPING PLAZA**Lab Number:** L1415475**Project Number:** 6980**Report Date:** 07/15/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1415475-01A	Vial Large Septa unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1415475-01B	Plastic 2oz unpreserved for TS s	A	N/A	4.7	Y	Absent	TS(7)
L1415475-02A	Vial Large Septa unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1415475-02B	Plastic 2oz unpreserved for TS s	A	N/A	4.7	Y	Absent	TS(7)
L1415475-03A	Vial Large Septa unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1415475-03B	Plastic 2oz unpreserved for TS s	A	N/A	4.7	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers



Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

Data Qualifiers

- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: GEORGETOWN SHIPPING PLAZA
Project Number: 6980

Lab Number: L1415475
Report Date: 07/15/14

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC,

SM426C, SM4500NH₃-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables); **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

Page 1 of 1

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Impact Environmental

Address: 170 Highland St.

Beverly, MA 01915

Phone: 631.266.8800

Fax:

Email: gundez-elias@impactenvironmental.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: Georgetown Shopping Plaza

Project Location: 2981-2195 Ralph Ave., Brooklyn, NY

Project #: 6980

Project Manager: G. Hinde-Lucas

ALPHA Quote #: 2013020

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved)

Date Due: 7/15/14 Time: 12:00pm

Date Rec'd in Lab: 7-11-14

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEX ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

ALPHA Job #: 1415475

Billing Information

☐ Same as Client info

PO #:

Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials
15475-01	7/9/14	10:00	S	MT
02	7/9/14	10:30	S	MT
03	7/9/14	11:15	S	MT

Sample Specific Comments
VOCs EPA Method 8260

Sample HANDLING
Filtration ☐ Done ☒ Not needed
Preservation ☐ Lab to do ☐ Lab to do

Container Type	Preservative	Date/Time	Received By:	Date/Time
100% methanol	ice	7/11/14 12:50	ATC	7/11/14 12:50
		7/11/14 18:55	Tom J. Davis	7/11/14 18:55
		7/11/14 23:55	Marcus Cing	7/11/14 23:55

END OF RECORD

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1415656
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	GEORGETOWN SHOPPING PLAZA
Project Number:	6980
Report Date:	07/18/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1415656-01	MW-1 (9-10')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	07/14/14 11:00	07/15/14
L1415656-02	MW-4 (5-6')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	07/14/14 08:00	07/15/14
L1415656-03	MW-5 (19-20')	SOIL	2181-2195 RALPH AVE., BROOKLYN, NY	07/14/14 09:30	07/15/14

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Volatile Organics

L1415656-03: A discrepancy was observed between the results of the original analysis and the re-analysis on dilution. This was attributed to the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 07/18/14

ORGANICS

VOLATILES

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-01
Client ID: MW-1 (9-10')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/16/14 13:28
Analyst: BN
Percent Solids: 82%

Date Collected: 07/14/14 11:00
Date Received: 07/15/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-01

Date Collected: 07/14/14 11:00

Client ID: MW-1 (9-10')

Date Received: 07/15/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
Xylenes, Total	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	14		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.16	1
o-Chlorotoluene	ND		ug/kg	6.1	0.19	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	1.8		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.62	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.17	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-01

Date Collected: 07/14/14 11:00

Client ID: MW-1 (9-10')

Date Received: 07/15/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	0.94	J	ug/kg	6.1	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	0.19	1
p-Ethyltoluene	0.52	J	ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-02
 Client ID: MW-4 (5-6')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/16/14 13:56
 Analyst: BN
 Percent Solids: 81%

Date Collected: 07/14/14 08:00
 Date Received: 07/15/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	0.76	J	ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.42	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-02

Date Collected: 07/14/14 08:00

Client ID: MW-4 (5-6')

Date Received: 07/15/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
Xylenes, Total	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	ND		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.17	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	0.96	J	ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-02

Date Collected: 07/14/14 08:00

Client ID: MW-4 (5-6')

Date Received: 07/15/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-03 D2
 Client ID: MW-5 (19-20')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/17/14 15:09
 Analyst: BN
 Percent Solids: 83%

Date Collected: 07/14/14 09:30
 Date Received: 07/15/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

Naphthalene	13000		ug/kg	300	8.3	50
-------------	-------	--	-------	-----	-----	----

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-03 D
Client ID: MW-5 (19-20')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/16/14 14:24
Analyst: BN
Percent Solids: 83%

Date Collected: 07/14/14 09:30
Date Received: 07/15/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	24	2.7	2
1,1-Dichloroethane	ND		ug/kg	3.6	0.21	2
Chloroform	ND		ug/kg	3.6	0.89	2
Carbon tetrachloride	ND		ug/kg	2.4	0.51	2
1,2-Dichloropropane	ND		ug/kg	8.4	0.55	2
Dibromochloromethane	ND		ug/kg	2.4	0.74	2
1,1,2-Trichloroethane	ND		ug/kg	3.6	0.73	2
Tetrachloroethene	ND		ug/kg	2.4	0.34	2
Chlorobenzene	ND		ug/kg	2.4	0.84	2
Trichlorofluoromethane	ND		ug/kg	12	0.93	2
1,2-Dichloroethane	ND		ug/kg	2.4	0.27	2
1,1,1-Trichloroethane	ND		ug/kg	2.4	0.27	2
Bromodichloromethane	ND		ug/kg	2.4	0.42	2
trans-1,3-Dichloropropene	ND		ug/kg	2.4	0.29	2
cis-1,3-Dichloropropene	ND		ug/kg	2.4	0.28	2
1,3-Dichloropropene, Total	ND		ug/kg	2.4	0.28	2
1,1-Dichloropropene	ND		ug/kg	12	0.34	2
Bromoform	ND		ug/kg	9.6	0.57	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.4	0.24	2
Benzene	540		ug/kg	2.4	0.28	2
Toluene	24		ug/kg	3.6	0.47	2
Ethylbenzene	480		ug/kg	2.4	0.31	2
Chloromethane	ND		ug/kg	12	0.71	2
Bromomethane	ND		ug/kg	4.8	0.81	2
Vinyl chloride	ND		ug/kg	4.8	0.28	2
Chloroethane	ND		ug/kg	4.8	0.76	2
1,1-Dichloroethene	ND		ug/kg	2.4	0.63	2
trans-1,2-Dichloroethene	ND		ug/kg	3.6	0.51	2
Trichloroethene	ND		ug/kg	2.4	0.30	2
1,2-Dichlorobenzene	ND		ug/kg	12	0.37	2

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-03 D
 Client ID: MW-5 (19-20')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Date Collected: 07/14/14 09:30
 Date Received: 07/15/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	12	0.32	2
1,4-Dichlorobenzene	ND		ug/kg	12	0.33	2
Methyl tert butyl ether	ND		ug/kg	4.8	0.20	2
p/m-Xylene	110		ug/kg	4.8	0.48	2
o-Xylene	230		ug/kg	4.8	0.41	2
Xylenes, Total	340		ug/kg	4.8	0.41	2
cis-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	2
1,2-Dichloroethene, Total	ND		ug/kg	2.4	0.34	2
Dibromomethane	ND		ug/kg	24	0.39	2
Styrene	1.9	J	ug/kg	4.8	0.74	2
Dichlorodifluoromethane	ND		ug/kg	24	0.46	2
Acetone	35		ug/kg	24	2.5	2
Carbon disulfide	5.8	J	ug/kg	24	2.6	2
2-Butanone	ND		ug/kg	24	0.66	2
Vinyl acetate	ND		ug/kg	24	0.32	2
4-Methyl-2-pentanone	ND		ug/kg	24	0.59	2
1,2,3-Trichloropropane	ND		ug/kg	24	0.39	2
2-Hexanone	ND		ug/kg	24	1.6	2
Bromochloromethane	ND		ug/kg	12	0.66	2
2,2-Dichloropropane	ND		ug/kg	12	0.54	2
1,2-Dibromoethane	ND		ug/kg	9.6	0.42	2
1,3-Dichloropropane	ND		ug/kg	12	0.35	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.4	0.77	2
Bromobenzene	ND		ug/kg	12	0.50	2
n-Butylbenzene	2.2	J	ug/kg	2.4	0.28	2
sec-Butylbenzene	ND		ug/kg	2.4	0.29	2
tert-Butylbenzene	ND		ug/kg	12	0.33	2
o-Chlorotoluene	ND		ug/kg	12	0.38	2
p-Chlorotoluene	ND		ug/kg	12	0.37	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	0.95	2
Hexachlorobutadiene	ND		ug/kg	12	0.55	2
Isopropylbenzene	46		ug/kg	2.4	0.25	2
p-Isopropyltoluene	16		ug/kg	2.4	0.30	2
Naphthalene	3900	E	ug/kg	12	0.33	2
Acrylonitrile	ND		ug/kg	24	1.2	2
n-Propylbenzene	13		ug/kg	2.4	0.26	2
1,2,3-Trichlorobenzene	ND		ug/kg	12	0.36	2
1,2,4-Trichlorobenzene	ND		ug/kg	12	0.44	2
1,3,5-Trimethylbenzene	43		ug/kg	12	0.34	2

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**SAMPLE RESULTS**

Lab ID: L1415656-03 D
 Client ID: MW-5 (19-20')
 Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Date Collected: 07/14/14 09:30
 Date Received: 07/15/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	180		ug/kg	12	0.34	2
1,4-Dioxane	ND		ug/kg	240	35.	2
p-Diethylbenzene	32		ug/kg	9.6	0.38	2
p-Ethyltoluene	71		ug/kg	9.6	0.30	2
1,2,4,5-Tetramethylbenzene	11		ug/kg	9.6	0.31	2
Ethyl ether	ND		ug/kg	12	0.63	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	0.94	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1415656

Project Number: 6980

Report Date: 07/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 09:22
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG706542-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1415656

Project Number: 6980

Report Date: 07/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 09:22
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG706542-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1415656

Project Number: 6980

Report Date: 07/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/16/14 09:22
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG706542-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/16/14 09:22

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG706542-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1415656

Project Number: 6980

Report Date: 07/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/14 09:26
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG706542-6					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.20	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.40	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1415656

Project Number: 6980

Report Date: 07/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/14 09:26
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG706542-6					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1415656

Project Number: 6980

Report Date: 07/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/14 09:26
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG706542-6					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/17/14 09:26

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG706542-6					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG706542-1 WG706542-2								
Methylene chloride	97		98		70-130	1		30
1,1-Dichloroethane	93		94		70-130	1		30
Chloroform	93		95		70-130	2		30
Carbon tetrachloride	91		91		70-130	0		30
1,2-Dichloropropane	94		96		70-130	2		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	94		94		70-130	0		30
Chlorobenzene	94		94		70-130	0		30
Trichlorofluoromethane	96		95		70-139	1		30
1,2-Dichloroethane	96		98		70-130	2		30
1,1,1-Trichloroethane	92		91		70-130	1		30
Bromodichloromethane	93		95		70-130	2		30
trans-1,3-Dichloropropene	97		97		70-130	0		30
cis-1,3-Dichloropropene	96		98		70-130	2		30
1,1-Dichloropropene	92		91		70-130	1		30
Bromoform	90		91		70-130	1		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	93		93		70-130	0		30
Toluene	90		89		70-130	1		30
Ethylbenzene	94		94		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1415656

Report Date: 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG706542-1 WG706542-2								
Chloromethane	94		93		52-130	1		30
Bromomethane	122		117		57-147	4		30
Vinyl chloride	100		99		67-130	1		30
Chloroethane	109		107		50-151	2		30
1,1-Dichloroethene	91		90		65-135	1		30
trans-1,2-Dichloroethene	93		93		70-130	0		30
Trichloroethene	93		93		70-130	0		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	95		93		70-130	2		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	96		97		66-130	1		30
p/m-Xylene	95		94		70-130	1		30
o-Xylene	96		95		70-130	1		30
cis-1,2-Dichloroethene	94		93		70-130	1		30
Dibromomethane	96		100		70-130	4		30
Styrene	96		96		70-130	0		30
Dichlorodifluoromethane	104		104		30-146	0		30
Acetone	117		119		54-140	2		30
Carbon disulfide	96		94		59-130	2		30
2-Butanone	102		98		70-130	4		30
Vinyl acetate	101		104		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1415656

Report Date: 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG706542-1 WG706542-2								
4-Methyl-2-pentanone	97		99		70-130	2		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	91		92		70-130	1		30
Bromochloromethane	96		99		70-130	3		30
2,2-Dichloropropane	97		97		70-130	0		30
1,2-Dibromoethane	95		96		70-130	1		30
1,3-Dichloropropane	94		96		69-130	2		30
1,1,1,2-Tetrachloroethane	93		94		70-130	1		30
Bromobenzene	92		90		70-130	2		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	94		92		70-130	2		30
tert-Butylbenzene	94		91		70-130	3		30
o-Chlorotoluene	70		91		70-130	26		30
p-Chlorotoluene	94		94		70-130	0		30
1,2-Dibromo-3-chloropropane	91		91		68-130	0		30
Hexachlorobutadiene	91		91		67-130	0		30
Isopropylbenzene	90		90		70-130	0		30
p-Isopropyltoluene	94		93		70-130	1		30
Naphthalene	89		92		70-130	3		30
Acrylonitrile	102		106		70-130	4		30
Diisopropyl Ether	96		98		66-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1415656

Report Date: 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG706542-1 WG706542-2								
Tert-Butyl Alcohol	95		94		70-130	1		30
n-Propylbenzene	93		92		70-130	1		30
1,2,3-Trichlorobenzene	91		93		70-130	2		30
1,2,4-Trichlorobenzene	93		94		70-130	1		30
1,3,5-Trimethylbenzene	94		92		70-130	2		30
1,2,4-Trimethylbenzene	94		92		70-130	2		30
Methyl Acetate	96		99		51-146	3		30
Ethyl Acetate	97		99		70-130	2		30
Acrolein	106		109		70-130	3		30
Cyclohexane	91		90		59-142	1		30
1,4-Dioxane	102		102		65-136	0		30
Freon-113	92		91		50-139	1		30
p-Diethylbenzene	95		94		70-130	1		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		94		70-130	0		30
Tetrahydrofuran	97		102		66-130	5		30
Ethyl ether	99		99		67-130	0		30
trans-1,4-Dichloro-2-butene	100		102		70-130	2		30
Methyl cyclohexane	91		88		70-130	3		30
Ethyl-Tert-Butyl-Ether	96		97		70-130	1		30
Tertiary-Amyl Methyl Ether	95		96		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
------------------	--------------------------	-------------	---------------------------	-------------	-----------------------------	------------	-------------	-----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG706542-1 WG706542-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1415656

Report Date: 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706542-4 WG706542-5								
Methylene chloride	90		88		70-130	2		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	105		100		70-130	5		30
Carbon tetrachloride	114		106		70-130	7		30
1,2-Dichloropropane	106		101		70-130	5		30
Dibromochloromethane	107		100		70-130	7		30
2-Chloroethylvinyl ether	130		125		70-130	4		30
1,1,2-Trichloroethane	112		105		70-130	6		30
Tetrachloroethene	107		98		70-130	9		30
Chlorobenzene	108		100		70-130	8		30
Trichlorofluoromethane	118		111		70-139	6		30
1,2-Dichloroethane	104		100		70-130	4		30
1,1,1-Trichloroethane	112		104		70-130	7		30
Bromodichloromethane	107		102		70-130	5		30
trans-1,3-Dichloropropene	108		102		70-130	6		30
cis-1,3-Dichloropropene	98		93		70-130	5		30
1,1-Dichloropropene	112		104		70-130	7		30
Bromoform	92		86		70-130	7		30
1,1,2,2-Tetrachloroethane	110		104		70-130	6		30
Benzene	107		101		70-130	6		30
Toluene	98		91		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706542-4 WG706542-5								
Ethylbenzene	113		104		70-130	8		30
Chloromethane	96		90		52-130	6		30
Bromomethane	116		105		57-147	10		30
Vinyl chloride	122		113		67-130	8		30
Chloroethane	133		116		50-151	14		30
1,1-Dichloroethene	101		94		65-135	7		30
trans-1,2-Dichloroethene	100		93		70-130	7		30
Trichloroethene	111		102		70-130	8		30
1,2-Dichlorobenzene	108		100		70-130	8		30
1,3-Dichlorobenzene	109		104		70-130	5		30
1,4-Dichlorobenzene	109		102		70-130	7		30
Methyl tert butyl ether	93		91		66-130	2		30
p/m-Xylene	112		104		70-130	7		30
o-Xylene	98		92		70-130	6		30
cis-1,2-Dichloroethene	105		98		70-130	7		30
Dibromomethane	106		101		70-130	5		30
Styrene	97		91		70-130	6		30
Dichlorodifluoromethane	99		93		30-146	6		30
Acetone	98		101		54-140	3		30
Carbon disulfide	97		89		59-130	9		30
2-Butanone	89		89		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706542-4 WG706542-5								
Vinyl acetate	85		82		70-130	4		30
4-Methyl-2-pentanone	86		87		70-130	1		30
1,2,3-Trichloropropane	108		102		68-130	6		30
2-Hexanone	86		85		70-130	1		30
Bromochloromethane	106		99		70-130	7		30
2,2-Dichloropropane	107		100		70-130	7		30
1,2-Dibromoethane	110		103		70-130	7		30
1,3-Dichloropropane	112		106		69-130	6		30
1,1,1,2-Tetrachloroethane	110		102		70-130	8		30
Bromobenzene	105		99		70-130	6		30
n-Butylbenzene	124		115		70-130	8		30
sec-Butylbenzene	121		112		70-130	8		30
tert-Butylbenzene	105		98		70-130	7		30
o-Chlorotoluene	119		110		70-130	8		30
p-Chlorotoluene	118		111		70-130	6		30
1,2-Dibromo-3-chloropropane	90		86		68-130	5		30
Hexachlorobutadiene	107		99		67-130	8		30
Isopropylbenzene	104		98		70-130	6		30
p-Isopropyltoluene	105		98		70-130	7		30
Naphthalene	103		99		70-130	4		30
Acrylonitrile	88		83		70-130	6		30

Lab Control Sample Analysis Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1415656

Report Date: 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706542-4 WG706542-5								
Diisopropyl Ether	99		96		66-130	3		30
Tert-Butyl Alcohol	91		92		70-130	1		30
n-Propylbenzene	118		109		70-130	8		30
1,2,3-Trichlorobenzene	108		101		70-130	7		30
1,2,4-Trichlorobenzene	111		102		70-130	8		30
1,3,5-Trimethylbenzene	118		109		70-130	8		30
1,2,4-Trimethylbenzene	105		98		70-130	7		30
Methyl Acetate	88		87		51-146	1		30
Ethyl Acetate	84		83		70-130	1		30
Acrolein	80		78		70-130	3		30
Cyclohexane	101		96		59-142	5		30
1,4-Dioxane	94		90		65-136	4		30
Freon-113	112		106		50-139	6		30
p-Diethylbenzene	102		94		70-130	8		30
p-Ethyltoluene	118		109		70-130	8		30
1,2,4,5-Tetramethylbenzene	94		88		70-130	7		30
Tetrahydrofuran	82		80		66-130	2		30
Ethyl ether	90		89		67-130	1		30
trans-1,4-Dichloro-2-butene	106		102		70-130	4		30
Methyl cyclohexane	111		104		70-130	7		30
Ethyl-Tert-Butyl-Ether	87		84		70-130	4		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** GEORGETOWN SHOPPING PLAZA**Lab Number:** L1415656**Project Number:** 6980**Report Date:** 07/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG706542-4 WG706542-5								
Tertiary-Amyl Methyl Ether	92		89		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	101		101		70-130

INORGANICS & MISCELLANEOUS

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

SAMPLE RESULTS

Lab ID: L1415656-01
Client ID: MW-1 (9-10')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN
Matrix: Soil

Date Collected: 07/14/14 11:00
Date Received: 07/15/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	07/16/14 20:36	30,2540G	RT



Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

SAMPLE RESULTS

Lab ID: L1415656-02
Client ID: MW-4 (5-6')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN
Matrix: Soil

Date Collected: 07/14/14 08:00
Date Received: 07/15/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	07/16/14 20:36	30,2540G	RT



Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

SAMPLE RESULTS

Lab ID: L1415656-03
Client ID: MW-5 (19-20')
Sample Location: 2181-2195 RALPH AVE., BROOKLYN
Matrix: Soil

Date Collected: 07/14/14 09:30
Date Received: 07/15/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	07/16/14 20:36	30,2540G	RT



Project Name: GEORGETOWN SHOPPING PLAZA**Project Number:** 6980**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1415656**Report Date:** 07/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG706355-1 QC Sample: L1415656-01 Client ID: MW-1 (9-10')						
Solids, Total	82.2	79.5	%	3		20

Project Name: GEORGETOWN SHOPPING PLAZA**Project Number:** 6980**Lab Number:** L1415656**Report Date:** 07/18/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1415656-01A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1415656-01B	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	TS(7)
L1415656-02A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1415656-02B	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	TS(7)
L1415656-03A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1415656-03B	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers



Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

Data Qualifiers

- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1415656
Report Date: 07/18/14

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC,

SM426C, SM4500NH₃-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables); **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 1

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANFIELD, MA
TEL: 508-822-8300
FAX: 508-822-3288

Client Information

Client: Impact Environment

Address: 170 Highland CT

Bohemia NY 11716

Phone: 631.269.8800

Fax:

Email: g.mendez@impactenvironment.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: Georgetown Shopping Plaza

Project Location: 2187-2195 Ralph Ave. Brooklyn, NY

Project #: 6980

Project Manager: G. Mendez-Chicas

ALPHA Quote #: 2013020

Turnaround Time

Standard CRUSH (only confirmed if pre-approved) 3-Day

Date Due: 7/8/14 Time: COB

Date Rec'd In Lab: 7/16/14

ALPHA Job #: L1415656

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEX ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program Criteria

Billing Information

Same as Client info

PO #:

ANALYSIS
EPA Method 8260
VOCs

SAMPLE HANDLING

Filtration

☐ Done

☒ Not needed

☐ Lab to do

☐ Preservation

☐ Lab to do

Sample Specific Comments

TOTAL # OF SAMPLES

gpc

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection
Date Time

Sample
Matrix

Samplers
Initials

156561 MW-1 (9-10') 7/14/14 1100 S KP X

12 MW-4 (5-6') 0800 S KP X

13 MW-5 (14-20') 0930 S KP X

END OF RECORD

Container Type
Preservative

10% acetic acid
None

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1416019
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	GEORGETOWN SHOPPING PLAZA
Project Number:	6980
Report Date:	07/21/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1416019
Report Date: 07/21/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1416019-01	MW-1	WATER	2181-2195 RALPH AVE., BROOKLYN, NY	07/17/14 11:15	07/18/14
L1416019-02	MW-2	WATER	2181-2195 RALPH AVE., BROOKLYN, NY	07/17/14 12:00	07/18/14
L1416019-03	MW-3	WATER	2181-2195 RALPH AVE., BROOKLYN, NY	07/17/14 12:15	07/18/14
L1416019-04	MW-4	WATER	2181-2195 RALPH AVE., BROOKLYN, NY	07/17/14 12:45	07/18/14
L1416019-05	MW-5	WATER	2181-2195 RALPH AVE., BROOKLYN, NY	07/17/14 13:15	07/18/14

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1416019
Report Date: 07/21/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1416019
Report Date: 07/21/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 07/21/14

ORGANICS

VOLATILES

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-01
Client ID: MW-1
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/14 19:06
Analyst: PK

Date Collected: 07/17/14 11:15
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	36		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	3.1		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-01

Date Collected: 07/17/14 11:15

Client ID: MW-1

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-01

Date Collected: 07/17/14 11:15

Client ID: MW-1

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	103		70-130

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-02
Client ID: MW-2
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/14 19:34
Analyst: PK

Date Collected: 07/17/14 12:00
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.0		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.74	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.58		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-02

Date Collected: 07/17/14 12:00

Client ID: MW-2

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.72	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.72	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.3		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	4.5		ug/l	2.5	0.70	1
Naphthalene	62		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-02

Date Collected: 07/17/14 12:00

Client ID: MW-2

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	98		70-130

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-03
Client ID: MW-3
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/14 20:02
Analyst: PK

Date Collected: 07/17/14 12:15
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.32	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.37	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-03

Date Collected: 07/17/14 12:15

Client ID: MW-3

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.0	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	5.0		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-03

Date Collected: 07/17/14 12:15

Client ID: MW-3

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	98		70-130

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-04
Client ID: MW-4
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/14 20:29
Analyst: PK

Date Collected: 07/17/14 12:45
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.77	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.85		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-04

Date Collected: 07/17/14 12:45

Client ID: MW-4

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.75	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-04

Date Collected: 07/17/14 12:45

Client ID: MW-4

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	99		70-130

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-05
Client ID: MW-5
Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/14 20:57
Analyst: PK

Date Collected: 07/17/14 13:15
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	1.1	J	ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	4.3		ug/l	0.50	0.16	1
Toluene	0.93	J	ug/l	2.5	0.70	1
Ethylbenzene	2.6		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-05

Date Collected: 07/17/14 13:15

Client ID: MW-5

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.1	J	ug/l	2.5	0.70	1
o-Xylene	1.2	J	ug/l	2.5	0.70	1
Xylenes, Total	2.3	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.4	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.77	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	15		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: GEORGETOWN SHOPPING PLAZA**Lab Number:** L1416019**Project Number:** 6980**Report Date:** 07/21/14**SAMPLE RESULTS**

Lab ID: L1416019-05

Date Collected: 07/17/14 13:15

Client ID: MW-5

Date Received: 07/18/14

Sample Location: 2181-2195 RALPH AVE., BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1.1	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	97		70-130

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1416019

Project Number: 6980

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/14 18:38
 Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG707296-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1416019

Project Number: 6980

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/14 18:38
 Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG707296-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: GEORGETOWN SHOPPING PLAZA

Lab Number: L1416019

Project Number: 6980

Report Date: 07/21/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/14 18:38
 Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG707296-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1416019

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG707296-1 WG707296-2								
Methylene chloride	88		86		70-130	2		20
1,1-Dichloroethane	100		97		70-130	3		20
Chloroform	102		100		70-130	2		20
Carbon tetrachloride	92		89		63-132	3		20
1,2-Dichloropropane	102		100		70-130	2		20
Dibromochloromethane	102		98		63-130	4		20
1,1,2-Trichloroethane	107		103		70-130	4		20
Tetrachloroethene	106		104		70-130	2		20
Chlorobenzene	107		106		75-130	1		20
Trichlorofluoromethane	90		85		62-150	6		20
1,2-Dichloroethane	91		88		70-130	3		20
1,1,1-Trichloroethane	98		94		67-130	4		20
Bromodichloromethane	95		92		67-130	3		20
trans-1,3-Dichloropropene	115		112		70-130	3		20
cis-1,3-Dichloropropene	88		86		70-130	2		20
1,1-Dichloropropene	101		97		70-130	4		20
Bromoform	95		91		54-136	4		20
1,1,2,2-Tetrachloroethane	94		89		67-130	5		20
Benzene	100		98		70-130	2		20
Toluene	110		109		70-130	1		20
Ethylbenzene	114		112		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1416019

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG707296-1 WG707296-2								
Chloromethane	118		121		64-130	3		20
Bromomethane	78		82		39-139	5		20
Vinyl chloride	93		91		55-140	2		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	99		96		61-145	3		20
trans-1,2-Dichloroethene	99		97		70-130	2		20
Trichloroethene	96		94		70-130	2		20
1,2-Dichlorobenzene	101		98		70-130	3		20
1,3-Dichlorobenzene	111		108		70-130	3		20
1,4-Dichlorobenzene	108		105		70-130	3		20
Methyl tert butyl ether	87		83		63-130	5		20
p/m-Xylene	120		119		70-130	1		20
o-Xylene	115		114		70-130	1		20
cis-1,2-Dichloroethene	99		97		70-130	2		20
Dibromomethane	89		86		70-130	3		20
1,2,3-Trichloropropane	109		103		64-130	6		20
Acrylonitrile	97		89		70-130	9		20
Styrene	128		126		70-130	2		20
Dichlorodifluoromethane	91		86		36-147	6		20
Acetone	86		78		58-148	10		20
Carbon disulfide	95		91		51-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1416019

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG707296-1 WG707296-2								
2-Butanone	78		70		63-138	11		20
Vinyl acetate	93		88		70-130	6		20
4-Methyl-2-pentanone	82		77		59-130	6		20
2-Hexanone	98		91		57-130	7		20
Bromochloromethane	96		93		70-130	3		20
2,2-Dichloropropane	100		96		63-133	4		20
1,2-Dibromoethane	102		98		70-130	4		20
1,3-Dichloropropane	108		104		70-130	4		20
1,1,1,2-Tetrachloroethane	123		121		64-130	2		20
Bromobenzene	85		83		70-130	2		20
n-Butylbenzene	116		113		53-136	3		20
sec-Butylbenzene	108		105		70-130	3		20
tert-Butylbenzene	100		98		70-130	2		20
o-Chlorotoluene	114		113		70-130	1		20
p-Chlorotoluene	106		106		70-130	0		20
1,2-Dibromo-3-chloropropane	89		85		41-144	5		20
Hexachlorobutadiene	90		89		63-130	1		20
Isopropylbenzene	83		81		70-130	2		20
p-Isopropyltoluene	108		106		70-130	2		20
Naphthalene	64	Q	61	Q	70-130	5		20
n-Propylbenzene	99		98		69-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GEORGETOWN SHOPPING PLAZA

Project Number: 6980

Lab Number: L1416019

Report Date: 07/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG707296-1 WG707296-2								
1,2,3-Trichlorobenzene	69	Q	64	Q	70-130	8		20
1,2,4-Trichlorobenzene	86		82		70-130	5		20
1,3,5-Trimethylbenzene	117		115		64-130	2		20
1,2,4-Trimethylbenzene	110		108		70-130	2		20
1,4-Dioxane	91		88		56-162	3		20
p-Diethylbenzene	106		104		70-130	2		20
p-Ethyltoluene	106		104		70-130	2		20
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		20
Ethyl ether	91		87		59-134	4		20
trans-1,4-Dichloro-2-butene	104		98		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		91		70-130
Toluene-d8	109		110		70-130
4-Bromofluorobenzene	86		86		70-130
Dibromofluoromethane	102		101		70-130

Project Name: GEORGETOWN SHOPPING PLAZA**Project Number:** 6980**Lab Number:** L1416019**Report Date:** 07/21/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1416019-01A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-01B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-01C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-02A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-02B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-02C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-03A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-03B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-03C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-04A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-04B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-04C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-05A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-05B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1416019-05C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1416019
Report Date: 07/21/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers



Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1416019
Report Date: 07/21/14

Data Qualifiers

- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: GEORGETOWN SHOPPING PLAZA
Project Number: 6980

Lab Number: L1416019
Report Date: 07/21/14

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC,

SM426C, SM4500NH₃-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

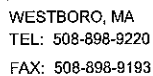
EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables); **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

PAGE 7 OF 7

~~Serial-No:07211410:06~~

ALPHA Job #: 61416019

Date Rec'd in Lab: 7/18/14

Project Information

Project Name: Georgetown Shopping Plaza
Project Location: 2101-2105 Ralph Ave.,
Brooklyn, NY

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Client Information

Client: Impact Environmental?
Address: 170 Kayland CT.
Bohemia, NY
Phone: 631.269.8800
Fax:

Project #:	6980
Project Manager:	G. Moulder - Chicago
ALPHA Quote #:	2013030

Turn-Around Time

☐ Standard ☒ **RUSH** (only confirmed if pre-approved!)

Date Due: 7/21/14 Time: 12:00pm

Email: g.mendez@ciencias e
impacto ambiental

Other Project Specific Requirements/Comments/Detection Limits:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
--------------------	----------

SAMPLE HANDLING

Filtration _____
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
 (Please specify below)

TO
C
T
A
L

E
C
T
T
I
E
S

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	VOL	(Please specify below)	
		Date	Time				Sample Specific Comments	
16019 -01	MW-1	7/17/14	1115	L	gm	X		
-02	MW-2		1200					
-03	MW-3		1215					
-04	MW-4		1245					
-05	MW-5		1315					
END OF RECORD								

~~END OF RECORD~~

Container Type

Preservative

~~Relinquished By:~~

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

APPENDIX F

Quality Assurance and Quality Control Procedures (QA/QC)

Quality Assurance and Quality Control Procedures (QA/QC)

The following sampling QA/QC protocol is in accordance with the United States Environmental Protection Agency's (USEPA) accepted sampling procedures for hazardous waste streams [Municipal Research Laboratory, 1980, Sampling and Analysis Procedures for Hazardous Material Waste Streams, Office of Emergency and Remedial Response, Cincinnati, Ohio. EPA-600/280-018] and American Society of Testing and Material's (ASTM's) Sampling Procedures.

A. Sampling Personnel

The activities associated with the survey, sampling and analysis plan were performed by or under the auspices of a USEPA Office of Emergency and Remedial Response, Certified Sampler for Hazardous Materials. The sample staff (samplers) possessed a minimum of a B.A. Degree in the Earth, Space or Biological Sciences or a B.S. Degree in Engineering. Samplers had a minimum of one (1) year experience in environmental/geological field work. Additionally, all samplers had received mandatory forty-hour Occupational Safety and Health Administration (OSHA) training on working with potentially hazardous materials and appropriate Hazard Communication Program and "Right-To-Know" training.

B. Sampling Equipment

Separate QA/QC measures were implemented for each of the instruments used in the performance of the SAP.

B.1 Geoprobe

Prior to arrival on the Site and between sample locations, the probes were decontaminated by washing them with a detergent (Alconox) and potable water solution and rinsing them with distilled water.

B.2 Photo Ionization Detector

Calibration of the PID was conducted prior to sampling using a span gas of known concentration. The PID was a Photovac Micro-Tip, photo ionization detection meter.

B.3 Sample Vessels

All sample vessels were "level A" certified decontaminated containers supplied by a New York State Certified Commercial Laboratory. Samples analyzed for hydrocarbons were placed in containers with Teflon lined caps. All samples were preserved by cooling them to a temperature of approximately four degrees Celsius.

C. Sample Documentation

A sample represents physical evidence. An essential part of liability reduction is the proper control of gathered evidence. To establish proper control, the following sample identification and chain-of custody procedures were followed.

C.1 Sample Identification

Sample identification was executed by use of a sample tag, log book and chain-of-custody form. Said documentation provided the following information: 1) the project code; 2) the sample laboratory number; 3) the sample preservation; 4) instrument used for source sample grabs; 5) the composite medium used for source sample grabs; 6) the date the sample was secured from the source media; 7) the time the sample was secured from the source media; and 8) the person who secured the sample from the source media.

C.2 Chain-of-Custody Procedures

Due to the evidential nature of samples, possession was traceable from the time the samples were collected until they were received by the testing laboratory. A sample was considered under custody if it: was in a person's possession; it was in a person's view, after being in possession; if it was in a person's possession and they locked it up; or, it was in a designated secure area. When transferring custody, the individuals relinquishing and receiving the samples signed, dated and noted the time on the Chain-of-Custody Form.

C. 3 Laboratory-Custody Procedures

A designated sample custodian accepted custody of the shipped samples and verified that the information on the sample tags matched that on the Chain-of-Custody Records. Pertinent information as to shipment, pick-up, courier, etc., were entered in the "remarks" section. The custodian entered the sample tag data into a bound logbook.

The laboratory custodian used the sample tag number, or assigned a unique laboratory number to each sample tag, and assured that all samples were transferred to the proper analyst or stored in the appropriate source area. The laboratory custodian distributed samples to the appropriate analysts. Laboratory personnel were responsible

for the care and custody of samples, from the time they were received, until the sample was exhausted or returned to the sample custodian. All identifying data sheets and laboratory records were retained as part of the permanent documentation. Samples received by the laboratory were retained until after analysis and quality assurance checks were completed.